ICOM®

U.S. Amateur Retail

Product & Price Catalog

December 2020

CONFIDENTIAL

Icom America Inc.

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Download Icom's current product line brochures
instruction manuals, band plans and other
information from: www.icomamerica.com/downloads

Contents

Warranty

Icom's Standard Warranty

Icom America Inc warrants its Icom manufactured products from all factory defects in material or workmanship under normal use and service. All warranties start from the time the end user purchases all products. All accessories come with a 1-year warranty. See the individual product page for specific warranty coverage.

Icom Service Centers

Washington
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Services: Amateur, Avionics, Land Mobile, Marine, Receivers

Michigan
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SAR Technical Service Inc.
1792 Nash Drive
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Phone: 269.429.2334

Services: Amateur, Avionics, Marine VHF and SSB

Handhelds

V86

VHF FM Transceiver

SPECS _____

Frequencies:	144-148MHz
Modes:	FM
Output Power:	7.0W, 5.5W, 2.5W, 0.5W (High, Mid, Low)
Channels:	207 (200 alphanumeric, 1 call, 6 scan edges)
Waterproof Rating:	IP54 dust-and splash proof
Weight:	10g (w/BP298)
Numbers in Case:	10
Warranty:	1 Year

FEATURES _____

Built-in DTCS/CTCSS encode/decode and tone scan
Internal VOX function
PC programmable
Selectable volume level, VFO/memory channel selection control
Mil Spec 810 C, D, E, F, G

SUPPLIED ACCESSORIES

Antenna (FA45V)
Battery (BP298)
Belt clip (MB124)
Charger (BC240)
1 year warranty

V86
VHF FM Transceiver

Configurations

Model	Description	MSRP
V86 12	2m 7W VHF handheld	$142.00

Accessories

Model	Description	MSRP
Antennas		
FAB45V	144-148MHz antenna	$20.00
Batteries		
BP263	Battery case that holds 6 AA alkaline batteries	$30.00
BP298	2250mAh Li-ion battery for the V86	$70.00
BP299	3150mAh li-ion battery for the V86	$90.00
Belt Clips		
MB124	Alligator type belt clip	$12.00
Cables		
OPC515L	DC power cable for single unit rapid chargers	$26.00
OPC656	DC power cable for gang charger	$12.00
Chargers		
BC157S	AC adapter for gang chargers; 100-240V with US style plug	$150.00
BC157SE	AC adapter for gang chargers; 100-240V with Euro style plug	$130.00
BC240	Rapid charger for the V86	$70.00
BC242	AC adapter	$25.00
CP23L	12V cigarette lighter cable for use with rapid chargers	$38.00
MB130	Vehicle charger bracket holds rapid charger and requires cigarette lighter cable	$83.00
Headsets		
HS94LWP	Earhook headset with boom microphone with 2-pin screw down connector for hands-free operation.	$60.00
HS95LWP	Behind-the-head type with boom microphone with 2-pin screw down connector	$290.00
HS97	Earphone with throat mic headset; use with VS/OPC2004/OPC2006/OPC1392	$42.00
OPC2004LA	VOX conversion cable to to use the HS-97 for the F1000/D products	$27.00
VS4LA	PTT switch cable to communicate using the HS94/95/97	$115.00
Microphones		
HM158LA	Compact speaker microphone with revolving clip and earphone jack (right angle 2-pin screw down connector, stereo mic/mono speaker)	$47.00
HM159LA	Large speaker microphone with earphone jack and metal alligator clip (right angle 2-pin screw down connector, stereo mic/mono speaker)	$77.00
HM168LWP	Waterproof speaker microphone	$140.00
SP-AT1	Single pin listen only w/QD acoustic tube (9", 3.5mm L-shape)	$31.50
Software & Cables		
CSV86	V86 programming software	$35.00

V86
VHF FM Transceiver

Accessories

Model	Description	MSRP
Wire Kits		
HM153LA	Covert durable microphone with earphone combination (right angle 2-pin screw down connector)	$125.00
HM166LA	Earphone microphone with 2-pin right angle connector	$53.00

705

HF/50/144/440 MHz Multimode Portable Transceiver

SPECS _____

Frequencies:	RX 0.030–199.999*1, 400.000–470.000* TX 1.800–1.999 3.500–3.999 5.255–5.405*1 7.000–7.300 10.100–10.150 14.000–14.350 18.068–18.168 21.000–21.450 24.890–24.990 28.000–29.700 50.000–54.000 144.000–148.000 430.000–450.000 * Some frequency bands are not guaranteed
Receiver System:	RF Direct Sampling at 0.030–24.999 MHz Down Conversion IF Sampling at 25 MHz and above
Modes:	USB, LSB, CW, RTTY, AM, DV, FM, WFM (Rx only)
Output Power:	13.8V DC (10W SSB/CW/RTTY/FM/DV) (2.5W AM) 7.4V DC (5W SSB/CW/RTTY/FM/DV) (1.25W AM)
DSP Type:	FPGA
Channels:	529 (500 regular, 25 scan edges, 4 call)
Weight:	2.4lbS (Including BP272)

FEATURES _____

Real-time Spectrum Scope and Waterfall display

D-STAR functions

GPS location logging and internal clock synchronization

Large 4.3" color touch screen

Built-in Bluetooth™ and wireless LAN for smartphone linking and remote control

MicroSD card slot: store user profiles, QSO recording, TX voice memory keyer, RTTY logging, GPS data, and screen captures

SUPPLIED ACCESSORIES

Speaker microphone (HM243)

Battery pack (BP273)

DC power cable (OPC2421)

705

HF/50/144/440 MHz Multimode Portable Transceiver

Configurations

Model	Description	MSRP
705 12	5-10W HF/6m/2m/70cm portable	$1,433.00

Accessories

Model	Description	MSRP
Antennas		
AL705	QRP portable magnetic antenna	$349.00
Batteries		
BP272	Li-ion 7.4V 2000mAh (typical capacity), 1880mAh (minimum value)	$139.00
BP307	Li-ion battery pack 7.2 V, 3 150 mAh (typ.)	$159.00
Cables		
OPC2417	Micro USB to micro USB cable	$27.00
OPC2418	USB type-C to micro USB cable	$27.00
OPC2421	DC power cable	$39.00
Carrying Cases		
LC192	Backpack for the IC-705	$199.00
Chargers		
BC123SA	AC adapter for rapid chargers; 100-240V with US style plug	$25.00
BC123SE	AC adapter for rapid chargers; 100-240V with Euro style plug	$26.00
BC202IP3L	Rapid charger for the 705, BC-228 adapter or CP-25H cigarette lighter required.	$65.00
BC228	AC adapter for BC226	$70.00
CP23L	12V cigarette lighter cable for use with rapid chargers	$38.00
Headsets		
VS3	Compact lapel PTT Bluetooth with earphone w/3.5mm jack	$149.00
Microphones		
HM243	Speaker microphone for the IC-705	$100.00
Miscellaneous		
MBF705	Desktop tray for the IC-705	$50.00
Software & Cables		
RS-BA1 V2	IP remote control software for amateur radios	$149.00

Icom America Inc.

U.S. Amateur Retail: Product & Price Catalog

Mobiles

2300H

2M Mobile Transceiver

SPECS _____

Frequencies:	TX 144-148MHz
	RX 136-174MHz*
	*Guaranteed range 144-148MHz
Receiver System:	Double conversion superheterodyne
Modes:	FM, FM-N
Output Power:	65W, 25W, 10W, 5W
Channels:	207 (including 6 scan edges and 1 call channel)
Weight:	2.43lb
Number in Case:	4
Warranty:	1 Year

FEATURES _____

Powerful 4.5W audio output
Built-in CTCSS/DTCS encoder/decoder
Multiple scan functions
Wide/narrow channel setting
Power supply voltage display
DTMF autodial
Repeater lockout
Time-out timer
Automatic power off
S-meter squelch
Selectable LCD backlight color (amber, yellow or green)
Squelch attenuator

SUPPLIED ACCESSORIES

Remote control microphone (HM133V)
Microphone hanger
Mobile mounting bracket kit
DC power cable (OPC1132)
Spare fuses
Owner's manual

2300H
2M Mobile Transceiver

Configurations

Model	Description	MSRP
2300H 05	65W, 2m (144-148MHz) mobile	$236.00

Accessories

Model	Description	MSRP
Cables		
OPC1132	DC power cable (9.8ft) with 2-pin T connector.	$45.00
OPC440	Microphone extension cable (RJ-45 M/F) (16.4ft)	$100.00
OPC589	Microphone adapter cable (8 pin to RJ-45)	$45.00
External Speakers		
SP34	Base station high quality speaker with internal audio filters	$465.00
SP35	5W external speaker with 3.5mm speaker jack and 2m cable	$60.00
Manuals		
94416534	2300H service manual - USB Drive	$16.95
Microphones		
HM133V	Standard partial function remote microphone (squelch only) 2300H/V8000	$106.00
HM154	Simple microphone for Amateur mobile radios (RJ45)	$55.00
Mounting Hardware		
MB28H	Universal mounting bracket for small Amateur mobiles. Radio Width 141mm (5.5") screw spacing 50mm (2.0") One radio mounting hole fixed, one adjustable. 27/28/228H/229H/2350H/2710H/2720H/2200H/207H/208H	$29.00
Software & Cables		
CS2300H	Cloning software for 2300H	$85.00
OPC478UC	USB programming cable (2-pin connectors handhelds)	$70.00

2730A
VHF/UHF Dual Band Transceiver

SPECS _____

Frequencies*:	Transmit: 144-148, 430-450MHz
	Receiver: 118-174, 375-550MHz
	*Guaranteed range: 144-148, 430-450MHz
Modes:	F2D, F3E
Output Power:	50/15/5W
Channels:	1052 (incl. 50 scan edges and 2 call)
Weight:	Main unit: 2.65lb
	Controller: 4.94oz
Number in Case:	5
Warranty:	1 Year

FEATURES _____

Bluetooth® headset for hands free communication and remote control of the radio with three programmable buttons

Multiple mounting options

V/U, U/U simultaneous receive capability

Independent controls for each band

Durable PA module, 50W output power for VHF and UHF bands

104 DTCS and 50 CTCSS tone codes

Split tone function allows you to encode and decode different CTCSS/DTCS tones

Squelch delay and squelch attenuator

Sub band auto mute function

Sub band busy beep function

Auto repeater functions

Auto power off

Time-out-timer

16 DTMF auto dial memories

Weather channel receive with weather alert

CI-V remote control capability

SUPPLIED ACCESSORIES

Hand microphone (HM207)
DC power cable (OPC345A)
Controller cable (OPC837, 11.4ft)
Microphone hanger
Spare fuses
Owner's manual

Meets MIL-STD 810

2730A
VHF/UHF Dual Band Transceiver

Configurations

Model	Description	MSRP
2730A 05	VHF/UHF dual band transceiver	$352.00

Accessories

Model	Description	MSRP
Cables		
OPC440	Microphone extension cable (RJ-45 M/F) (16.4ft)	$100.00
OPC589	Microphone adapter cable (8 pin to RJ-45)	$45.00
OPC647	Microphone extension cable 8.2ft	$75.00
Encryption & Internal Modules		
UT133	Bluetooth unit	$99.00
External Speakers		
SP30	20W large external speaker	$110.00
SP35	5W external speaker with 3.5mm speaker jack and 2m cable	$60.00
Headsets		
VS3	Compact lapel PTT Bluetooth with earphone w/3.5mm jack	$149.00
Microphones		
HM154	Simple microphone for Amateur mobile radios (RJ45)	$55.00
HM207	Control hand microphone (ID-5100)	$99.00
Mounting Hardware		
MB2730B	Base station mount (MBF4 + MBA4)	$85.00
MBA4	Bracket to attach the controller to the main unit	$65.00
MBF4	Mounting bracket for the ID5100	$35.00
Remote Mounting		
MB2730R	Remote head kit w/mobile bracket (MBF4 + MBA5)	$65.00
MB2730R1	Glass mount remote head kit w/mobile bracket (MBF1+MBF4+MBA5)	$149.00
MBA5	Bracket to attach the controller to the MBF-1	$40.00
MBF1	Remote head mount. Adhesive pad and adjustable pivot points holds it securely. Requires MBA5, MBA7 or MBA8.	$85.00
OPC1156	Remote head extension cable (3.5m)	$22.00
Software & Cables		
OPC478UC	USB programming cable (2-pin connectors handhelds)	$70.00

ID4100A

D-Star Dual Band Digital Transceiver

SPECS _____

Frequencies:	TX 144-148, 430-450MHz
	RX 118-174, 230-550MHz
Type of Emission:	F2D, F3E, F7W
Modes:	DV, FM, FM-N, AM (RX only)
Output Power:	50W, 15W, 5W
Channels:	1000 regular channels
	4 call channels
	50 program scan edges
	1500 repeater memories
	300 GPS memory
Dimensions (W x H x D):	
Main Unit:	5.9 x 1.6 x 6.8in
Controller:	4.8 x 1.6 x 1.2in
Weight:	
Main Unit:	2.4lb
Controller:	3.5oz
Warranty:	1 Year

FEATURES _____

Full dot-matrix display
DV/FM near repeater search function
Built-in GPS
microSD card slot for voice and data storage
Selectable LDC and key backlight color: white, amber, green or blue
Bluetooth® option
Android™ and iOS™ Apps Available
DV fast data mode
Terminal mode and access point mode
The QUICK key allows instant access to menus listing dedicated functions
    depending on mode
Multiple scan functions for Memory/Bank scan, Full scan, Program scan,
    Program link scan, Duplex scan Tone scan, and DR scan
CTCSS/DTCS signaling with the split tone functions (analog mode)
8.33 kHz air band channel reception
Auto repeater function

SUPPLIED ACCESSORIES

Hand microphone (HM-207S)
Controller cable (OPC-837)
DC power cable (OPC-345B)
Microphone hanger and spare fuses
Owner's manual

ID4100A

D-Star Dual Band Digital Transceiver

Configurations

Model	Description	MSRP
ID4100A	VHF/UHF dual band D-STAR mobile	$399.00

Accessories

Model	Description	MSRP
Cables		
OPC1529R	Data cable (RS232 to 3.5mm)	$41.00
OPC2350LU	Smart phone data cable	$75.00
OPC440	Microphone extension cable (RJ-45 M/F) (16.4ft)	$100.00
OPC589	Microphone adapter cable (8 pin to RJ-45)	$45.00
OPC647	Microphone extension cable 8.2ft	$75.00
Encryption & Internal Modules		
UT137	Bluetooth unit	$99.00
External Speakers		
SP30	20W large external speaker	$110.00
SP35	5W external speaker with 3.5mm speaker jack and 2m cable	$60.00
Headsets		
VS3	Compact lapel PTT Bluetooth with earphone w/3.5mm jack	$149.00
Microphones		
HM154	Simple microphone for Amateur mobile radios (RJ45)	$55.00
HM207S	DTMF standard mic ID4100	$140.00
HM232	Hand microphone for ID4100	$45.00
Mounting Hardware		
MBF4	Mounting bracket for the ID5100	$35.00
Remote Mounting		
MBA8	Controller bracket for ID4100A	$40.00
MBF1	Remote head mount. Adhesive pad and adjustable pivot points holds it securely. Requires MBA5, MBA7 or MBA8.	$85.00
OPC1156	Remote head extension cable (3.5m)	$22.00
Software & Cables		
OPC478UC	USB programming cable (2-pin connectors handhelds)	$70.00

ID5100A

D-Star Dual Band Digital Transceiver

SPECS _____

Frequencies:	TX 144-148, 430-450MHz
	RX 118-174, 375-550MHz
Type of Emission:	F2D, F3E, F7W
Modes:	FM, FM-N, DV, AM (receive only)
Output Power:	50W, 15W, 5W selectable
Channels:	1000 regular channels, 4 call channels, 50 program scan edges and 1200 repeater memories
Dimensions (W x H x D):	
Main Unit:	5.91x1.57x6.8in
Controller:	7.17x3.21x0.97in
Weight:	
Main Unit:	2.87lb
Controller:	9.17oz
Warranty:	1 Year

FEATURES _____

Intuitive touch screen operation
V/U, V/V, U/U Dual receive
DV Dualwatch
GPS receiver
DV/FM Repeater list function
Dplus reflector linking
Built-in CTCSS/DTCS encoder and decoder
Bluetooth options
Send pictures over DV mode
Menu-driven user interface
Convenient memory contents management using CSV data format
Speech function announces operating frequency, mode and received
   callsign (DV mode)
Enhanced D-PRS functions with object, position, item and weather formats

SUPPLIED ACCESSORIES

Hand microphone (HM-207)
Controller cable (OPC1154A 3.5M; 11.4ft)
Microphone hanger
CD (CS-5100 and instruction handbook
                        PDF)
Spare fuse
Owner's manual

ID5100A
D-Star Dual Band Digital Transceiver

Configurations

Model	Description	MSRP
ID5100A DELUXE	Dual band, 2m/70cm (144-148/420-450MHz), D-Star mobile radio with MB-A2 remote mounting bracket included	$514.00

Accessories

Model	Description	MSRP
Cables		
OPC1132	DC power cable (9.8ft) with 2-pin T connector.	$45.00
OPC1529R	Data cable (RS232 to 3.5mm)	$41.00
OPC440	Microphone extension cable (RJ-45 M/F) (16.4ft)	$100.00
OPC589	Microphone adapter cable (8 pin to RJ-45)	$45.00
Encryption & Internal Modules		
UT133	Bluetooth unit	$99.00
External Speakers		
SP30	20W large external speaker	$110.00
SP35	5W external speaker with 3.5mm speaker jack and 2m cable	$60.00
Headsets		
VS3	Compact lapel PTT Bluetooth with earphone w/3.5mm jack	$149.00
Microphones		
HM154	Simple microphone for Amateur mobile radios (RJ45)	$55.00
HM207	Control hand microphone (ID-5100)	$99.00
Mounting Hardware		
MBF4	Mounting bracket for the ID5100	$35.00
Remote Mounting		
MBA2	Remote head mounting bracket for the ID5100A	$40.00
MBF1	Remote head mount. Adhesive pad and adjustable pivot points holds it securely. Requires MBA5, MBA7 or MBA8.	$85.00
OPC1156	Remote head extension cable (3.5m)	$22.00
Software & Cables		
OPC2218LU	Cloning/data cable with USB connector for ID51A/ID31A/5100A/7100	$75.00
OPC478UC	USB programming cable (2-pin connectors handhelds)	$70.00

HF

718

HF All Band Transceiver

SPECS _____

Frequencies:	RX 0.030-29.999999MHz*
	TX 1.800-1.999999 MHz**
	3.500-3.999999 MHz**
	7.000-7.300000 MHz
	10.100-10.150000 MHz
	14.000-14.350000 MHz
	18.068-18.168000 MHz
	21.000-21.450000 MHz
	24.890-24.990000 MHz
	28.000-29.700000 MHz
	*Guaranteed 0.5-29.999999MHz
	**Varies according to version
Receiver System:	Double conversion
Modes:	USB, LSB, CW, RTTY (FSK), AM
Output Power:	SSB, CW, RTTY, 2-100W; AM 2-40W
DSP Type:	AF (optional)
Channels:	101 (99 regular, 2 scan edges)
Weight:	8 lb 6 oz
Number in Case:	2
Warranty:	1 Year

FEATURES _____

One touch band switching
Simple to use
CW keyer built-in
12V operation
Direct frequency input
VOX built-in
Voice synthesizer optional (UT-102)
General coverage receiver
Front mounted speaker

SUPPLIED ACCESSORIES

Microphone (HM36)
DC power cable (OPC025A)
Plug-in DSP (UT106)
Owner's manual

718

HF All Band Transceiver

Configurations

Model	Description	MSRP
718 62	100W HF transceiver with AF DSP	$800.00
718E	100W HF transceiver - export only version - full transmit, no AF DSP	$720.00

Accessories

Model	Description	MSRP
Antenna Tuners		
AH4	Automatic antenna tuner (long wire/AH2B)	$430.00
Antennas		
AH2B	Antenna element/base	$599.00
AH710	Folded dipole antenna with an SO-239 connector. Covers 1.9 to 30MHz band. Length is approx 80.3ft.	$430.00
AH740	Relay-driven compact automatic tuning antenna 2.5MHz-29.999MHz	$2,315.00
Cables		
OPC025D	12V DC power cord with 6-pin connector for HF radios (718/706MK2/G/756PRO/2)	$45.00
OPC2321	Control cable adapter to 4 pin type for AH740	$175.00
OPC2361	DC power cord with 25A fuse for 718/78/7300	$66.00
OPC599	Cable adapter converts 13-pin ACC connector to 7-pin & 8-pin ACC connector	$80.00
External Speakers		
SP23	External speaker with 4 audio filters; headphone jack (5W)	$330.00
SP33	Base station speaker (4Ohm)	$120.00
SP34	Base station high quality speaker with internal audio filters	$465.00
SP35	5W external speaker with 3.5mm speaker jack and 2m cable	$60.00
Manuals		
94413342	718 service manual - USB Drive	$33.33
Microphones		
HM219	Hand microphone 7300/7610	$55.00
SM30	Compact desktop microphone with low cut function	$195.00
SM50	Desktop unidirectional microphone with up/down switches and low cut function	$400.00
Mounting Hardware		
MB23	Carry handle and mounting hardware for the IC-718/77/707/821H/R8500/R75	$20.00

7100

HF/VHF/UHF Transceiver

SPECS _____

Frequencies:	RX 0.030-199.999, 400.000-470.000MHz*
	TX 1.800-1.999; 3.500-3.999; 5.255-5.405*; 7.000-7.300; 10.100-10.150; 14.000-14.350; 18.068-18.168; 21.000-21.450; 24.890-24.990; 28.000-29.700; 50.000-54.000; 144.000-148.000; 430.000-450.000MHz
	*Some frequency bands are not guaranteed
Receiver System:	SSB/AM/FM/DV
Modes:	USB, LSB, CW, RTTY, AM, DV, FM, WFM (RX only)

Output Power (at 13.8V DC):

	HF/50MHz	144MHz	430/440MHz
SSB/CW.RTTF/FM/DV	2-100W	2-50W	2-35W
AM	1-30W	-	-

DSP Type:	32-bit floating point IF DSP
Channels:	505 (495 regular, 4 call, 6 scan edges, 900 D-STAR repeater channels)
Weight:	Main unit 5.1 lb; Controller 1.1lb

FEATURES _____

Touch screen control portal
Angled display
D-STAR READY
Digital features controlled by the IF DSP
Built-in SD Card Slot for voice storage and data cloing
Dual DSP chips deliver versatile digital processing performance
Muilt-in RTTV demodulator and decoder
Multi-function meter
SWR graphic display
DSP controller RF sppech compressor
Voice recording and playback functions
±0.5ppm high frequency stability
Optional RS-BA1 IP control remote control software

SUPPLIED ACCESSORIES

Hand microphone (HM198)
DC power cable
Separation cable (OPC2253)
USB cable
ACC cable (13-pin)
CW keyer plug
Spare fuses
Ferrite bead
Owner's manual

7100

HF/VHF/UHF Transceiver

Configurations

Model	Description	MSRP
7100 02	HF/6m/2m/70cm mobile transceiver	$1,325.00

Accessories

Model	Description	MSRP
Antenna Tuners		
AH4	Automatic antenna tuner (long wire/AH2B)	$430.00
Antennas		
AH2B	Antenna element/base	$599.00
AH740	Relay-driven compact automatic tuning antenna 2.5MHz-29.999MHz	$2,315.00
Cables		
OPC1529R	Data cable (RS232 to 3.5mm)	$41.00
OPC2321	Control cable adapter to 4 pin type for AH740	$175.00
OPC589	Microphone adapter cable (8 pin to RJ-45)	$45.00
OPC599	Cable adapter converts 13-pin ACC connector to 7-pin & 8-pin ACC connector	$80.00
External Speakers		
SP23	External speaker with 4 audio filters; headphone jack (5W)	$330.00
SP33	Base station speaker (4Ohm)	$120.00
SP34	Base station high quality speaker with internal audio filters	$465.00
SP35	5W external speaker with 3.5mm speaker jack and 2m cable	$60.00
Manuals		
94416603	7100 service manual - USB Drive	$33.28
Microphones		
HM151	Remote control microphone (7000/7100)	$145.00
HM198	Hand microphone for 7100	$55.00
SM30	Compact desktop microphone with low cut function	$195.00
SM50	Desktop unidirectional microphone with up/down switches and low cut function	$400.00
Mounting Hardware		
MB62	Main Unit mounting bracket for the 706 Series, 703 Series, 7000 & 7100	$50.00
Remote Mounting		
MBA1	Controller bracket for 7100	$40.00
MBF1	Remote head mount. Adhesive pad and adjustable pivot points holds it securely. Requires MBA5, MBA7 or MBA8.	$85.00
OPC2253	3.5m (11ft) separation cable	$75.00
OPC2254	5m (16ft) separation cable	$95.00
Software & Cables		
CS7100	Programming software for 7100	$50.00
OPC2218LU	Cloning/data cable with USB connector for ID51A/ID31A/5100A/7100	$75.00
RC28	Remote control USB encoder	$370.00
RS-BA1 V2	IP remote control software for amateur radios	$149.00

7300
HF/50MHz Transceiver

SPECS _____

Frequencies:	RX	0.030-74.800MHz*
	TX	1.800-1.999; 3.500-3.999; 5.255-5.405; 7.000-7.300; 10.100-10.150; 14.000-14.350; 18.068-18.168; 21.000-21.450; 24.890-24.990; 28.000-29.700; 50.000-54.000MHz
Receiver System:	Direct sampling superheterodyne	
Modes:	SSB, CW, RTTY, AM, FM	
Output Power:	100W (25W AM)	
DSP Type:	FPGA	
Channels:	101 (99 regular, 2 scan edges)	
Weight:	9.26 lb	
Number in Case:	2	
Warranty:	1 Year	

FEATURES _____

Approximately 97dB RMDR
15 discrete band-pass filters
Large touch screen with waterfall function
Real-time spectrum scope
Built-in automatic antenna tuner
SD memory card slot for saving data
Cooling fan system
Multi-function meter
CW functions: full break-in, CW reverse, CW auto tuning

SUPPLIED ACCESSORIES

Microphone (HM219)
DC power cable
Spare fuses
Owner's manual

7300
HF/50MHz Transceiver

Configurations

Model	Description	MSRP
7300 02	HF/6m transceiver with an IF-DSP and internal ATU	$1,699.00

Accessories

Model	Description	MSRP
Antenna Tuners		
AH4	Automatic antenna tuner (long wire/AH2B)	$430.00
Antennas		
AH2B	Antenna element/base	$599.00
AH710	Folded dipole antenna with an SO-239 connector. Covers 1.9 to 30MHz band. Length is approx 80.3ft.	$430.00
AH740	Relay-driven compact automatic tuning antenna 2.5MHz-29.999MHz	$2,315.00
Cables		
OPC2321	Control cable adapter to 4 pin type for AH740	$175.00
OPC2361	DC power cord with 25A fuse for 718/78/7300	$66.00
OPC599	Cable adapter converts 13-pin ACC connector to 7-pin & 8-pin ACC connector	$80.00
External Speakers		
SP23	External speaker with 4 audio filters; headphone jack (5W)	$330.00
SP33	Base station speaker (4Ohm)	$120.00
SP34	Base station high quality speaker with internal audio filters	$465.00
SP35	5W external speaker with 3.5mm speaker jack and 2m cable	$60.00
SP38	5W external speaker for HF radios	$210.00
SP41	5W external speaker for HF radios	$299.00
Microphones		
HM219	Hand microphone 7300/7610	$55.00
SM30	Compact desktop microphone with low cut function	$195.00
SM50	Desktop unidirectional microphone with up/down switches and low cut function	$400.00
Mounting Hardware		
MB118	Mounting bracket for the IC-7200	$50.00
MB123	Carrying handle for 7300/9100/7410	$35.00
Software & Cables		
RC28	Remote control USB encoder	$370.00
RS-BA1 V2	IP remote control software for amateur radios	$149.00

9700
HF/VHF/UHF Transceiver

SPECS _____

Frequencies:	144.000-148.000, 430.000-450000, 1240.000-1300.000MHz
Modes:	SSB, CW, RTTY, AM, FM, DV, DD
Number of channels:	107 (99 Simplex + 6 Program scan edges + 2 CALL) x 3 bands, 99 (Satellite), 2500 (DR function)

Output power:

HF/50MHz	144MHz	430/440MHz	1200MHz
SSB/CW/FM/RTTY/DV/DD	0.5-100W	0.5-75W	0.1-10W
AM	0.125-25W	0.125-18.75W	0.025-2.5W

Weight (approx):	10.4lb
Number in Case:	2
Warranty:	1 Year

FEATURES _____

RF direct sampling receiver for 2m and 70cm
Down conversion for 23cm that is between 311-371MHz
Supports CW/AM/SSB/SM/RTTY and D-STAR DV and DD modes
Digital Data (DD) mode provides 128 kbps data communication
D-STAR Terminal and Access Point mode (RS-MS3A/W)
Dual D-STAR receive (decodes two voice streams simultaneously)
Intuitive 4.3" Color touch screen display
Real-Time Spectrum Scope and Waterfall Display
Full duplex operation/Dual Watch (no V/V or U/U Capability)
Main or Sub-Band Scope (Center/Fix mode +/-500KHz Center Mode)
Independent Receiver, Full Duplex Operation
Audio Scope Function
Comprehensive Menus for Satellite Operation
  Normal and Reverse Tracking Functions
  AFC Function
  Up to 99 Satellite memory Channels

SUPPLIED ACCESSORIES

Hand microphone (HM219)
DC power cable
Owner's manual

9700
HF/VHF/UHF Transceiver

Configurations

Model	Description	MSRP
9700 12	VHF/UHF transceiver	$2,200.00

Accessories

Model	Description	MSRP
Cables		
OPC2350LU	Smart phone data cable	$75.00
External Speakers		
SP35	5W external speaker with 3.5mm speaker jack and 2m cable	$60.00
SP38	5W external speaker for HF radios	$210.00
SP41	5W external speaker for HF radios	$299.00
Microphones		
HM219	Hand microphone 7300/7610	$55.00
SM30	Compact desktop microphone with low cut function	$195.00
SM50	Desktop unidirectional microphone with up/down switches and low cut function	$400.00
Mounting Hardware		
MB118	Mounting bracket for the IC-7200	$50.00
MB123	Carrying handle for 7300/9100/7410	$35.00
Software & Cables		
RS-BA1 V2	IP remote control software for amateur radios	$149.00

7610

HF/50MHz Transceiver

SPECS _____

Frequencies:	RX 0.030-60.000MHz* TX 1.800-1.999; 3.500-3.999; 5.255-5.405**, 7.000-7.300; 10.100-10.150; 14.000-14.350; 18.068-18.168; 21.000-21.450; 24.890-24.990; 28.000-29.700; 50.000-54.000MHz * Guaranteed range: 0.500-29.999, 50.000-54.000 MHZ **Some frequency bands are not guaranteed.
Receiver System:	Direct Sampling Superheterodyne
Modes:	USB, LSB, CW, RTTY, PSK31/63, AM, FM
Output Power:	SSB/CW/FM/RTTY/PSK: 1-100 W, AM: 1-25W
Channels:	101 (99 regular, 2 scan edges)
Weight:	18.7lb
Number in Case:	1
Warranty:	1 Year

FEATURES _____

110dB RMDR to pull weak signals
Independent dual receiver
DIGI-SEL preselectors
Digital-UP-Conversion (DUC) for clean TX
Built-in automatic antenna tuner
7" color display with touch screen function
Dual receivers, dual spectrum scopes
SD card slot and USB port for saving data
I/Q signal output

SUPPLIED ACCESSORIES

_____

Microphone (HM219)
DC power cable
Spare fuses
Owner's manual

7610
HF/50MHz Transceiver

Configurations

Model	Description	MSRP
7610	100W HF/50MHz amateur radio base station	$4,278.00

Accessories

Model	Description	MSRP
Antenna Tuners		
AH4	Automatic antenna tuner (long wire/AH2B)	$430.00
Antennas		
AH2B	Antenna element/base	$599.00
AH710	Folded dipole antenna with an SO-239 connector. Covers 1.9 to 30MHz band. Length is approx 80.3ft.	$430.00
AH740	Relay-driven compact automatic tuning antenna 2.5MHz-29.999MHz	$2,315.00
Cables		
OPC2321	Control cable adapter to 4 pin type for AH740	$175.00
External Speakers		
SP23	External speaker with 4 audio filters; headphone jack (5W)	$330.00
SP33	Base station speaker (4Ohm)	$120.00
SP34	Base station high quality speaker with internal audio filters	$465.00
SP35	5W external speaker with 3.5mm speaker jack and 2m cable	$60.00
SP38	5W external speaker for HF radios	$210.00
SP41	5W external speaker for HF radios	$299.00
Microphones		
HM219	Hand microphone 7300/7610	$55.00
SM30	Compact desktop microphone with low cut function	$195.00
SM50	Desktop unidirectional microphone with up/down switches and low cut function	$400.00
Mounting Hardware		
MB121	Carrying handle for 7610	$33.00
Software & Cables		
RC28	Remote control USB encoder	$370.00
RS-BA1 V2	IP remote control software for amateur radios	$149.00

7851

HF/50MHz Transceiver

SPECS _____

Frequencies:	RX 0.030-60.000MHz*
	TX 1.800-1.999; 3.500-3.999;
	5.3305, 5.3465, 5.3665,
	5.3715, 5.4035**; 7.000-7.300;
	10.100-10.150; 14.000-14.350;
	18.068-18.168; 21.000-21.450;
	24.890-24.990; 28.000-29.700;
	50.000-54.000MHz
	*Some frequency ranges are not guaranteed. **Carrier point frequency..
Receiver System:	Double conversion super-heterodyne system
Modes:	USB, LSB, CW, RTTY, PSK31, AM, FM
Output Power:	SSB, CW, RTTY, PSK31, FM, AM 5 - 50W
Channels:	101 (99 regular, 2 scan edges)
Weight:	55lb
Number in Case:	1
Warranty:	2 Year

FEATURES _____

1.2kHz "optimum" roofing filter
Dual scope function
High resolution spectrum waterfall
'+40dBm IP37-Inch Wide Color TFT LCD
Dual receivers
Dual receive controls
Multiple meter readouts
Multiple spectrum displays
Triple band stack registers
Four 32 bit floating point DSP units
Independent Digi-Sel controls
Dual digital twin PassBand tuning
More dual receive controls
Dual VFO tuning knobs
Independent auto tune
Digital voice recorder controls
Retractable controls
200W output power
CF card slot
Headphone jack
Independent AGC settings
3 roofing filters - 3kHz, 6kHz, 15kHz

SUPPLIED ACCESSORIES

CF memory card
AC power cable (built-in)
Rack mount handles
Spare fuses
Plugs & connectors
Owner's manual

7851

HF/50MHz Transceiver

Configurations

Model	Description	MSRP
7851 02	200W HF + 6m transceiver with 2 independent receivers, internal power supply and antenna tuner (ATU)	$16,000.00

Accessories

Model	Description	MSRP
External Speakers		
SP33	Base station speaker (4Ohm)	$120.00
SP34	Base station high quality speaker with internal audio filters	$465.00
SP35	5W external speaker with 3.5mm speaker jack and 2m cable	$60.00
SP38	5W external speaker for HF radios	$210.00
SP41	5W external speaker for HF radios	$299.00
Microphones		
SM30	Compact desktop microphone with low cut function	$195.00
SM50	Desktop unidirectional microphone with up/down switches and low cut function	$400.00
Software & Cables		
RC28	Remote control USB encoder	$370.00
RS-BA1 V2	IP remote control software for amateur radios	$149.00

78

HF Transceiver for Export Only

SPECS _____

Frequencies:	RX 0.030-29.999999MHz**
	TX 1.6-29.999999MHz***
	**Guaranteed range: 0.5-29.999999MHz
	***Not Guaranteed for some frequency bands
Receiver System:	Double conversion
Modes:	USB, LSB, CW, RTTY (FSK), AM
Output Power:	SSB, CW, RTTY 2-100W; AM 2-40W
DSP Type:	None
Channels:	99 (Duplex) +1 (Call channel)
Weight:	8 lb 6 oz
Number in Case:	2
Warranty:	1 Year

FEATURES _____

Durable, powerful construction
Direct keyboard entry
Large easy to read LCD
Ample 99 channels with 8-digit channel name capability
Superior basic performance
Front mounted loud speaker
High frequency stability
Flexible filter selection
VFO mode operation

SUPPLIED ACCESSORIES

Hand microphone (HM36)
DC power cable (OPC025A)
Spare fuses
Owner's manual

78
HF Transceiver for Export Only

Configurations

Model	Description	MSRP
78 41	100W HF transceiver WITHOUT AF DSP - EXPORT ONLY	$720.00

Accessories

Model	Description	MSRP
Antenna Tuners		
AH4	Automatic antenna tuner (long wire/AH2B)	$430.00
AT130	Auto antenna tuner M710/IC-78	$690.00
MN100	Antenna matcher. Matches the transceiver to a dipole antenna. Covers all HF bands from 1.5 to 30MHz. Two 8m antenna wires come standard.	$480.00
MN100L	Antenna matcher. Matches the transceiver to a long wire antenna. Covers all HF bands from 1.5 to 30mhz. One 15m antenna comes standard.	$455.00
Antennas		
AH2B	Antenna element/base	$599.00
AH710	Folded dipole antenna with an SO-239 connector. Covers 1.9 to 30MHz band. Length is approx 80.3ft.	$430.00
AH740	Relay-driven compact automatic tuning antenna 2.5MHz-29.999MHz	$2,315.00
Cables		
OPC025D	12V DC power cord with 6-pin connector for HF radios (718/706MK2/G/756PRO/2)	$45.00
OPC2321	Control cable adapter to 4 pin type for AH740	$175.00
OPC2361	DC power cord with 25A fuse for 718/78/7300	$66.00
External Speakers		
SP23	External speaker with 4 audio filters; headphone jack (5W)	$330.00
SP33	Base station speaker (4Ohm)	$120.00
SP34	Base station high quality speaker with internal audio filters	$465.00
SP35	5W external speaker with 3.5mm speaker jack and 2m cable	$60.00
Manuals		
94413419	78 service manual - USB Drive	$33.33
Microphones		
SM30	Compact desktop microphone with low cut function	$195.00
SM50	Desktop unidirectional microphone with up/down switches and low cut function	$400.00
Mounting Hardware		
MB23	Carry handle and mounting hardware for the IC-718/77/707/821H/R8500/R75	$20.00
Remote Mounting		
MBF1	Remote head mount. Adhesive pad and adjustable pivot points holds it securely. Requires MBA5, MBA7 or MBA8.	$85.00

Receivers

R6

Communications Receiver

SPECS _____

Frequencies:	0.100-1309.995MHz* *Blocked cellular frequency 824-849 and 869-894MHz **Unblocked for sale to Federal Government, export, or authorized end users only
Display Type:	LCD
Band Scope:	No
Receiver Type:	Triple conversion superheterodyne
Modes:	AM, FM, WFM
Channels:	1300 (50 scan edges and 200 auto memory write scan)
Auto Memory:	Yes
Alphanumeric Display:	6 Character
PC Programming:	Optional with CS-R6 software
PC Controllable:	Yes
Antenna Connector:	SMA
Weight:	7.1oz
Number in Case:	5
Warranty:	1 Year

FEATURES _____

Wideband coverage
100 channels per second high speed scan
15 hours of continuous receive capability
VSC (Voice Squelch Control)
150mW audio output power
Earphone cord antenna for AM aviation and FM broadcasts
Duplex operation monitor
Priority watch function
Built-in audio low pass filter

SUPPLIED ACCESSORIES

Antenna (FAS270C)
Belt clip
Hand strap
Owner's manual

Icom America Inc.

R6

Communications Receiver

Configurations

Model	Description	MSRP
R6 SPORT	Scanning receiver. Blocked version for consumer purchase. No supplied battery or charger. Requires 2 AA batteries.	$225.00
R6E	Unblocked receiver for Federal/Export Only. No supplied battery or charger. Requires 2 AA batteries.	$225.00

Accessories

Model	Description	MSRP
Antennas		
AD92SMA	Antenna connector adapter to connect a BNC-type antenna	$20.00
FAS270C	Wideband RX antenna (SMA)	$35.00
Manuals		
94415532	R6 service manual - USB Drive	$33.33
Microphones		
SP27	Acoustic tube earphone with a clip (3.5mm)	$35.00
SP-AT1	Single pin listen only w/QD acoustic tube (9", 3.5mm L-shape)	$31.50
Software & Cables		
CSR6	Programming software fo R6	$58.00
OPC478UC	USB programming cable (2-pin connectors handhelds)	$70.00

R30
Communications Receiver

SPECS _____

Frequencies:	A Band	0.100000-821.999990, 851.000000-866.999990, 896.000000-3304.999990MHz*
	B Band	108.000000-520.000000MHz
		*Depending on the receiver version. 0.100000-3304.999990MHz guaranteed.
Display Type:		LCD
Band Scope:		Yes
Receiver Type:		Triple conversion superheterodyne + Down converter
Modes:	A Band	
	≤1300 MHz	FM, FM-N, WFM, AM, AM-N, SSB, CW, D-STAR (DV), P25, dPMR, NXDN, DCR
	>1300 MHz	FM, FM-N, WFM, AM, AM-N
	B Band	FM, AM, D-STAR (DV), P25, dPMR, NXDN, DCR
Channels:		2000 regular (100 groups), 200 auto memory write scan, 100 skip, 300 GPS memories
Auto Memory:		Yes
Alphanumeric Display:		8 Character
PC Programming:		Optional with CS-R30 software
PC Controllable:		Yes
Antenna Connector:		SMA
Weight:		7.1oz
Number in Case:		5
Warranty:		1 Year

FEATURES _____

Decodes digital including P25, NXDN™, D-STAR

RX analog including USB, LSB, CW, AM, FM & WFM

Receive on different bands and different modes (i.e. monitor HF and UHF signals simultaneously)

Scan for other active channels on the B band while receiving the main signal on the A band

Record audio while in the Dualwatch mode onto a microSD card

Recording/playback of received audio, RX history log, radio set tings and GPS logger data can all be loaded onto the microSD card

Scans approximately 200 channels per second in the A band and 150 channels per second in the B band

Variety of scan functions:

◦ Near station scan	◦ Auto memory write scan	◦ Priority scan
◦ Tone scan	◦ Program scan	◦ Memory scan
◦ Memory mode scan	◦ Group scan	◦ Group link scan

2.3" large LDC with intuitive user interface

Band scope function

Speech function reads out operating frequency and mode

8-character channel names DTCS and CTCSS tone squelch

RF gain control (10 steps)   ATT function (3 steps)

Key lock function   Monitor function

Power save function (3 steps)   Clock

SUPPLIED ACCESSORIES

Antenna
Battery, BP287
Belt clip, MB133
Charger, BC223 + BC123SA
USB cable for charging and data transfer
Handstrap
Owner's manual

R30

Communications Receiver

Configurations

Model	Description	MSRP
R30 16	Blocked receiver handheld w/dual receive & dual band recording	$725.00
R30 20	Unblocked receiver handheld w/dual receive & dual band recording	$725.00

Accessories

Model	Description	MSRP
Batteries		
BP287	2800mAh li-ion 7.2V battery	$150.00
BP293	Battery case 6 x AA	$60.00
Belt Clips		
MB133	Alligator type belt clip	$17.00
Carrying Cases		
LC189	R30 carrying case	$30.00
Chargers		
BC123SA	AC adapter for rapid chargers; 100-240V with US style plug	$25.00
BC123SE	AC adapter for rapid chargers; 100-240V with Euro style plug	$26.00
BC223	Rapid charger for R30; 100-240V with a US style plug	$70.00
Headsets		
VS3	Compact lapel PTT Bluetooth with earphone w/3.5mm jack	$149.00
Microphones		
SP40	Earphone with 3.5mm plug	$30.00
Miscellaneous		
MSD CARD	32GB micro SD card	$30.00
Software & Cables		
CSR30	Programming software for R30	$95.00

R8600

Communications Receiver

SPECS _____

RX Frequencies:	10kHz – 3GHz
	Decodes digital including P25, NXDN™, D-STAR
	RX analog including USB, LSB, FSK, CW, AM, S-AM, FM & WFM
Channels:	2000 with 100 groups
	100 scan skip channels
	50 pairs scan edges
Versions:	Cellular frequencies blocked or unblocked
Warranty:	1 Year

FEATURES _____

Bandpass filters:
    11 in the HF bands
    13 in the VHF/UHF bands
FPGA processing provides clarity and accuracy of received signals
Real-time spectrum scope
Waterfall screen
4.3" color display
Touch screen function
RSSI
SD card slot for received log, decode log and voice recording
Screen capture function saves a screen shot in PNG or BMP format
I/Q signal output for use with future firmware upgrade and third-party SDR software and/or external decoding
Remote control function through IP network of USB cable
Scans up to 100 channels per second in memory scan mode
Three antenna connectors: SO-239, photo (RCA), type-N
Clock and NTP FUNCTION
Center tuning meter and digital auto frequency control (AFC) for FM, WFM and digital modes
Voice synthesizer function
Audio tone functions: HPF/LPF, bass, treble and de-emphasis
Decode multiple digital code used in digital mode
IP+ function improves 3rd order intercept point performance
Main dial friction adjustment
Dial lock and panel lock
CI-V remote control commands

SUPPLIED ACCESSORIES

DC power cable
Plugs and fuses
Owner's manual

Icom America Inc.

R8600

Communications Receiver

Configurations

Model	Description	MSRP
R8600 02	Blocked super wideband 10 kHz to 3 GHz communication receiver	$3,000.00
R8600 04	Unblocked super wideband 10 kHz to 3 GHz communication receiver	$3,000.00

Accessories

Model	Description	MSRP
Antennas		
AH710	Folded dipole antenna with an SO-239 connector. Covers 1.9 to 30MHz band. Length is approx 80.3ft.	$430.00
AH8000	Discone antenna wideband RX TX 100-3300MHz	$340.00
Chargers		
AD55NS	100-240V power supply for the R8600 with a US plug	$75.00
External Speakers		
SP23	External speaker with 4 audio filters; headphone jack (5W)	$330.00
SP39AD	External speaker with 15V/2A power supply for the R8600	$325.00
Mounting Hardware		
MB123	Carrying handle for 7300/9100/7410	$35.00
Software & Cables		
CSR8600	R8600 programming software	$95.00
RSR8600	Remote control software	$199.00

R9500

Communications Receiver

SPECS _____

Frequencies:	0.005-3335.000MHz* *Cellular bands are blocked in U.S.A. version
Display Type:	TFT LCD (800x480)
Band Scope:	Multi-Function Spectrum Scope
Receiver Type:	Super heterodyne
Modes:	USB, LSB, CW, FSK, AM, FM, WFM, P25* (*optional UT-122 Required)
Channels:	1220 (1000 regular, 100 auto memory write channels, 100 memory scan skip, and 20 scan edges)
Scan Edges:	20 Pair
AFC:	Yes (FM/WFM mode only)
VSC:	Yes
Alphanumeric Display:	Yes
PC Programming:	Yes
PC Controllable:	Yes

TCSS Tone:	Standard
Attenuation:	3 levels (10dB, 20dB, 30dB)
Power Supply:	100V/120V/230V/240V AC
Antenna Connector:	4 (SO-239, RCA, 2 type-N)
Weight:	44.1lb
Number in Case:	1
Warranty:	1 Year

FEATURES _____

Wideband coverage

+40dBm 3rd order intercept point and 109dB dynamic range* (*At 14.1MHz)

Multi-function high performance spectrum scope

±0.05ppm high frequency stability

±3dB* accuracy of dBμ/dBμ(emf) /dBm meter (*10 to 70dBμ signal between 100kHz to 3335MHz at 25°C)

SSB/CW/AM mode auto tuning function

Optional P25 digital mode reception

Professional grade operation, functionality and build

SUPPLIED ACCESSORIES

AS power cable

Carrying handles

RCA plugs

DC power plug

ACC plugs

Speaker plugs

Spare fuses

Owner's manual

R9500

Communications Receiver

Configurations

Model	Description	MSRP
R9500 02	Blocked version for consumer purchase	$16,000.00
R9500 06	Unblocked for Federal/Export Only	$17,500.00

Accessories

Model	Description	MSRP
Antennas		
AH8000	Discone antenna wideband RX TX 100-3300MHz	$340.00
External Speakers		
SP34	Base station high quality speaker with internal audio filters	$465.00

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E-Mail:	literature@icomamerica.com

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Contents

Handhelds

A16

VHF Air Band Transceiver

SPECS _____

Frequencies:

	Tx	118.000-136.99166MHz
	Rx	108.000-136.99166MHz
	(Weather)	161.650-163.275MHz

Output Power: 6.0W (PEP), 1.8W (carrier)
Channels: 200
Channel Spacing: 8.33kHz/25kHz
Display: LCD and keypad backlight
Mode: AM (6K00A3E)
FM (16K0G3E)
Mil Spec: MIL 810 C,D,E,F, G
Waterproof Rating: IP67/IP54
Weight: 9.1 oz (with BP280)
Version: Communications Only
Communications only with
Bluetooth

FEATURES _____

Compact, light weight and rugged body
Large capacity Li-ion battery
1500mW loud audio for clear communications
Bluetooth® version for hands-free operation
LCD and key backlight for night time operation
Compatible with third-party aviation headsets
Auto Noise Limiter (ANL) for noise reduction
Internal VOX capability
BNC type antenna connector

COMES WITH _____

Battery (BP280)
Charger (BC213)
AC adapter (BC123SA)
Belt clip (MB133)
Antenna (FAB02AR)
Handstrap
Owner's manual
Warranty: 3-Year

A16

VHF Air Band Transceiver

Configurations

Model	Description	MSRP
A16	Communications only avionics handheld with full keypad	$405.00
A16B	Communications only avionics handheld with Bluetooth and full keypad	$480.00

Accessories

Model	Description	MSRP
Antennas		
FAB02AR	Standard antenna for Aviation handheld radios	$37.00
Batteries		
BP280	Li-ion 7.2V 2280mAh battery	$85.00
Belt Clips		
MB133	Alligator type belt clip	$17.00
MB96N	Swivel belt hanger to use with standard belt clip	$37.00
Cables		
OPC515L	DC power cable for single unit rapid chargers	$26.00
OPC656	DC power cable for gang charger	$12.00
Chargers		
AD130	Adapter cup that fits into the BC214 for the F1000/D series	$23.00
BC123SA	AC adapter for rapid chargers; 100-240V with US style plug	$25.00
BC123SE	AC adapter for rapid chargers; 100-240V with Euro style plug	$26.00
BC157S	AC adapter for gang chargers; 100-240V with US style plug	$150.00
BC157SE	AC adapter for gang chargers; 100-240V with Euro style plug	$130.00
BC213	Rapid charger with a US plug for radios with the BP279/BP280 battery (BC-123SA or BC242 included)	$60.00
BC213NAC	Rapid charger cup for radios with the BP279 battery (BC-123S not included)	$35.00
BC214	Six bank charger with US plug AC adapter and cups installed	$495.00
BC214E	Six bank charger with EURO plug AC adapter and cups installed	$495.00
CP23L	12V cigarette lighter cable for use with rapid chargers	$38.00
MB130	Vehicle charger bracket holds rapid charger; requires cigarette lighter cable	$83.00
Headsets		
OPC2401	Headset adapter with screw down connector (A16)	$105.00
PTT SW	Avionic PTT switch. Plugs into your headset.	$28.00
VS3	Compact lapel PTT Bluetooth with earphone w/3.5mm jack	$149.00
Microphones		
HM240	Waterproof aviation speaker mic (2-pin)	$100.00
Software & Cables		
OPC478UC	USB programming cable (2-pin connectors handhelds)	$70.00

A25
VHF Air Band Transceiver

SPECS _____

Frequencies:
	Tx (COM)	118.000-136.975MHz
	Rx (COM,NAV)	108.000-136.975MHz
	(Weather)	161.650-163.275MHz

Output Power: 6W typ. (PEP), 1.8W (CW)
Channels: 200 (20 CH x 10 banks)
Channel Spacing: 8.33/25KHz
Mode: 6K00A3E, 5K60A3E
   (Weather)   16K0G3E
Waterproof: IP57 dust-protection and
                       waterproof
Mil Spec: MIL 810 G
                       Also meets equivalent MIL-STD-
                       810-C, -D, -E and -F
Weight (approx):   12.0 oz
Versions: Communications plus navigation
                       Communications only

FEATURES _____

General Features:

Easy to use interface with full keypad
2.3" LCD
Night mode option
"Flip-flop" channel recall
Smart battery with detailed battery status
121.5MHz emergency key
Weather channels
Priority watch
VFO scan, memory-channel scan, priority scan

Navigation Features:

Built-in Bluetooth® for hands-free operation
Built-in GPS with waypoint NAV
Store up to 10 flight plans and 300 waypoints
Flight plans with Android™/iOS™ app
       Create flight plan
       Set Direct-to Nav
       Display flight information
       Display waypoint information
VOR navigation functions
       CDI (course deviation indicator)
       OBS (omni bearing selector)
       TO-FROM indicator
       ABSS (automatic bearing set system)
Near station function assists in accessing nearby ground stations

Supplied Accessories ____

Antenna (FAB02AR)
Battery pack (BP288)
Battery case (BP289)
Belt clip (MB133)
Headset adapter (OPC2379)
Rapid charger (BC224 + BC123SA)
Handstrap
Owner's manual
Warranty: 3-Year

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A25

VHF Air Band Transceiver

Configurations

Model	Description	MSRP
A25C	Communications only avionics handheld 6W with li-ion battery and rapid charger	$710.00
A25C SPORT	Communications only avionics handheld 6W and AA battery pack	$505.00
A25N	Communications plus navigation avionics handheld 6W	$800.00

Accessories

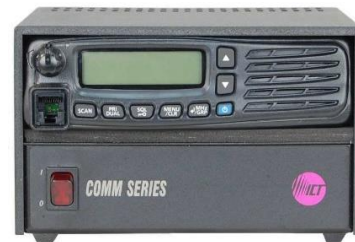| Model	Description	MSRP
Antennas		
FAB02AR	Standard antenna for Aviation handheld radios	$37.00
Batteries		
BP288	2350mAh li-ion 7.2V battery; IP57	$145.00
BP289	Battery case 6 x AA; IP54	$50.00
Belt Clips		
MB133	Alligator type belt clip	$17.00
MB96N	Swivel belt hanger to use with standard belt clip	$37.00
Cables		
OPC2144	Right angle plug adapter cable to plug old straight pin connector headsets into (required to use with OPC478 when programming radios)	$35.00
OPC2379	Headset adapter cable for A25	$95.00
Carrying Cases		
NCA25	Nylon case for the A25	$27.00
Chargers		
BC123SA	AC adapter for rapid chargers; 100-240V with US style plug	$25.00
BC123SE	AC adapter for rapid chargers; 100-240V with Euro style plug	$26.00
BC224	Rapid charger with BC123SA	$65.00
BC224E	Rapid charger with BC123SE (Euro plug)	$65.00
CP20	Cigarette lighter cable with noise filter and DC-DC converter. Charges the BC167 with a 12V/24V cigarette lighter socket.	$61.00
MB130	Vehicle charger bracket holds rapid charger; requires cigarette lighter cable	$83.00
Headsets		
VS3	Compact lapel PTT Bluetooth with earphone w/3.5mm jack	$149.00
Microphones		
HM231	Waterproof speaker microphone (A25)	$90.00
Software & Cables		
CSA25	A25 programming software	$85.00
OPC478UC	USB programming cable (2-pin connectors handhelds)	$70.00

Mobiles / Panel Mounts

Icom America Inc.
U.S. Avionics Retail: Product & Price Catalog

A120

VHF Air Band Transceiver

SPECS _____

Frequencies:	118.000-136.992MHz
Output Power:	36W typ. (P.E.P.)
Channels:	200 with 12 character channel names
Channel Spacing:	8.33/25kHz
LCD Display:	Dot-matrix with alphanumeric icons & characters
Waterproofing:	IP54 dust protection & water resistant
Mil Spec:	810 C, D, E, F, G
Weight (approx):	3 lb 3 oz

FEATURES _____

Active Noise Cancelling (ANC) reduces background noises
Optional Bluetooth® board to connect to Bluetooth® headsets
Program channels from the front panel
ON-hook scan
Dual watch
Side tone function
Dual watch and priority scan functions
Compatible with both 12V and 24V systems
Power on password protection
CI-V commands for external control
Connect with other radio devices with the VEPG3 RoIP gateway

COMES WITH_____

Hand microphone (HM216)
DC power cable
Mounting bracket
Microphone hanger kit
Fuses
Owner's manual
Warranty: 2-Year

A120
VHF Air Band Transceiver

IP54 DUST PROTECTION & SPLASH PROOF

Meets **MIL-STD 810**

OTTO ACCESSORIES AVAILABLE

MDC 1200 Compatible

Configurations

Model	Description	MSRP
A120	Airband mobile with 200 channels with open VFO, 8.33/25kHz	$1,585.00
A120B	A120 with 120V power supply and cabinet for base station	$1,825.00
A120BE	A120 with 220V power supply and cabinet for base station	$1,860.00

Accessories

Model	Description	MSRP
Antennas		
B ANT	Avionic mobile base station antenna 118.8-126.8MHz with 50'4" cable	$365.00
K220A	Aviation mobile antenna with a magnetic mount	$75.00
K220C	Aviation mobile antenna with a NMO permanent mount for 3/4" hole; includes 17" RG58A/U coax cable	$60.00
Cables		
OPC2275	5m audio connection cable between the VEPG3 and the F5061/D series or A120 (RJ-45 modular plug connector with speaker plug).	$150.00
OPC344	A110/A120 power cord	$16.00
OPC440	Microphone extension cable (RJ-45 M/F) (16.4ft)	$100.00
OPC647	Microphone extension cable 8.2ft	$75.00
Encryption & Internal Modules		
UT133	Bluetooth unit	$99.00
External Speakers		
SP30	20W large external speaker	$110.00
SP35	5W external speaker with 3.5mm speaker jack and 2m cable	$60.00
Headsets		
OPC871A	Headset adapter A120/A110	$154.00
PTT SW	Avionic PTT switch. Plugs into your headset.	$28.00
VS3	Compact lapel PTT Bluetooth with earphone w/3.5mm jack	$149.00
Microphones		
HM216	Standard microphone for A120	$47.00
HM217	Microphone with built-in speaker and front panel includes up/down buttons and two programmable buttons (P1/P2)	$100.00
SM26	Desktop microphone with monitor switch for mobile radios	$90.00
Mounting Hardware		
MB99A	Wall mounting bracket VEPG3/IP1000C	$65.00
Power Supplies		
ICT ICO11	120V power supply and cabinet for base station use for A120	$210.00

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A120

VHF Air Band Transceiver

Accessories

Model	Description	MSRP
ICT ICO11 220V	220V power supply and cabinet for control station use for A120	$235.00
Software & Cables		
CSA120	Programming software A120	$90.00
OPC478UC	USB programming cable (2-pin connectors handhelds)	$70.00
OPC592	Programming cloning cable to use with OPC-478UC	$17.00

A220

VHF Air Band Transceiver

SPECS _____

Frequencies:
TX/RX 8.33kHz		118.000-136.992MHz
	25kHz	118.000-136.975MHz
RX	Weather channel	161.650-163.275MHz

Frequency spacing:	8.33kHz/25kHz
Output Power:	8W typical (carrier power)
Channels:	20 regular memory
	50 (10 Ch x 5 groups) group memory
	10 GPS, 10 weather
	10 auto stack memory
Display:	Organic light emitting diode (OLED)
Mil Spec:	810 C, D, E & F
Scan:	VFO
Weight (approx):	2.2 lb
Versions:	Radio without TSO approval
	Radio with TSO approval

FEATURES _____

TSO version meets RTCA-160G requirements for use in strict environments. The A220T can be used for a primary VHF radio in general aviation (part 23) class aircraft and is accepted for ETSO approval under the TSO/ETSO reciprocal acceptance policy.
Automatic squelch function
White OLED display with white key backlight
Easy channel selection
GPS memory function*
12V/24V DC power source
Intercom functions
D-sub 25-pin industry standard connector for easy installation
Two types of menu mode: setting menu and configuration menu
One touch access to 121.5MHz emergency frequency
Side tone function for monitoring your voice with headset
ANL (Automatic noise limiter) function reduces pulse type noise
Remote control capability
Time-out-timer
PC programming capability*
Dial lock and panel lock*
Dual watch and priority watch functions
*Excludes TSO version

COMES WITH_____

Mounting bracket kit
Owner's manual
Warranty: 2-Year

A220

VHF Air Band Transceiver

Configurations

Model	Description	MSRP
A220	Panel mount aviation radio	$2,150.00
A220B	Radio plus PS80 power supply for base station option (radio not installed into power supply)	$3,630.00
A220M	Radio with MB-53 for mobile mount	$2,680.00
A220T	TSO approved panel mount aviation radio	$2,720.00

Accessories

Model	Description	MSRP
Antennas		
B ANT	Avionic mobile base station antenna 118.8-126.8MHz with 50'4" cable	$365.00
K220A	Aviation mobile antenna with a magnetic mount	$75.00
K220C	Aviation mobile antenna with a NMO permanent mount for 3/4" hole; includes 17" RG58A/U coax cable	$60.00
Cables		
OPC1529R	Data cable (RS232 to 3.5mm)	$41.00
External Speakers		
SP35	5W external speaker with 3.5mm speaker jack and 2m cable	$60.00
Microphones		
HM176	Microphone for the A220/A210/A200/PS80	$185.00
SM30	Compact desktop microphone with low cut function	$195.00
SM50	Desktop unidirectional microphone with up/down switches and low cut function	$400.00
Mounting Hardware		
A200 TRAY	Mounting tray for A200/A210/A220	$65.00
MB53	Mobile mounting bracket that includes HM176 microphone, SP35 external speaker, MBA-3 rear panel adapter, and harness for A200/A210/A220	$500.00
MBA3	Rear panel adapter with a card edge connector for the A220	$105.00
Power Supplies		
INSTALLATION AVIONICS	Install radio into power supply	See Optional Services
PS80	Power supply that includes the HM-176 & MBA-3 for A220/A210/A200	$1,245.00
Software & Cables		
CSA220	Programming software A220	$90.00

Fixed Comms Infrastructure

VE-PG4

RoIP Gateway

SPECS _____

Power Supply:	12V DC +/- 10%, max 4A 100-240V AC (with the supplied AC adaptor)
Weight:	4lb (Main unit, approximate)
Interface	
LAN/WAN:	RJ-45 type x 1 (Auto MDI/MDI-X)
LAN:	RJ-45 type x 1 (Auto MDI/MDI-X)
USB Host Interface:	USB 3.0 Standard A receptacles x3
USB Console Interface:	USB 2.0 mini B receptacles x 1
Network - 4G bands:	LET B2, B4, B12 (FCC)
Network - 3G bands:	W-CDMA B2, B5 (FCC)
External - Port Connectors:	2.54 mm (0.1 in) pitch quick connector (4 terminals x3) x4
External – Audio input:	-10 dBs/-40 dBs selectable Input impedance 10kΩ unbalance
External – Audio output:	-0 dBs/-20 dBs selectable 600Ω load unbalance/8Ω 1W speaker
External – Control input:	Low voltage contacts (3.3V DC/1mA)/Voltage input (3-16V)
External – Control output:	No voltage contacts (30V/100mA) /Open collector (3-16V 10mA)

FEATURES _____

Bridge almost any modern communications system to Icom's universe of Network products and more:

- LTE PTT Products
- Wireless LAN radio products
- Icom IDAS conventional and trunking systems
- Analog radio systems
- P25 systems
- DMR systems
- SIP phone

Built-in controller for IP100H
Call recording to a USB drive
Microphone connection for base operation
Router functions with VPN tunnel

Management Features:

- SYSLOG and SNMP
- Telnet and SSH
- Ping Test and Traceroute Test
- Abnormal condition monitoring, such as LAN port link-down and SIP server registration error
- Administrator password
- SNTP server
- Security slot

WARRANTY _____

1-Year

Comes With _____

Antennas
Antenna case cable (1.9ft)
AC adapter (BC-236)
Quick connectors

MULTiTRUNK   IDAS
ICOM DIGITAL ADVANCED SYSTEM

Configurations

Model	Description	MSRP
VEPG4	RoIP gateway that bridges land mobile radio systems. Deactivated SIM included. Airtime fees apply when SIM activated.	$3,000.00

Accessories

Model	Description	MSRP
Cables		
OPC2275	5m audio connection cable between the VEPG3 and the F5061/D series or A120 (RJ-45 modular plug connector with speaker plug).	$150.00
OPC2276	5m audio connection cable between the VEPG3 and the HM152/SM26 (Modular jack connector with speaker jack)	$215.00
OPC2389	Cable connecting serial device w/RS232	$85.00
OPC2390	Cable connecting VEPG4 to FR5000/6000	$200.00
Microphones		
SM26	Desktop microphone with monitor switch for mobile radios	$90.00
Miscellaneous		
SIM CARD	SIM card for U.S. LTE networks	$9.00
Remote Communication		
RCFS10	Remote Communicator software + CT-24 (digital voice converter unit - each IDAS system requires 1 CT-24)	$1,820.00

X-BAND Air Repeater

Cross Band Airband AM/VHF FM or Airband AM/UHF FM

SPECS _____

Frequencies:	AV + 136-174MHz
	AV +, 400-470MHz
Output Power:	50W (VHF), 45W (UHF)
Channels:	128 channels, 8 zones
Channel Spacing:	UHF: 12.5kHz
	Airband: 25kHz/8.33kHz
PLL Channel Spacing:	2.5, 3.125kHz
Display:	LCD with 8 character
	alphanumeric

FEATURES _____

Full UHF & VHF analog & Airband AM interoperability
Configured to auto switch from AC to DC
Local controlled operation, can be used as a dual base unit
Programmable actions when a matched tone is received:

> - Bell icon indication ON / OFF / Blink
> - Answer back calls
> - Beep sounds
> - Scan Start / Stop
> - Auto transmission
> - Stun / Kill functions (prevents use of a lost or stolen)

10 scanning lists and Normal / Priority scan
Power ON password

SIGNALING_____

CTCSS/DTCS decode
2/5 Tone
MDC1200

WARRANTY _____

Radios: 2 years
Parts: 1 year

Configurations

Model	Description	MSRP
IAS X-BAND 50 AIR U	Airband AM & UHF FM cross band repeater	$3,495.00
IAS X-BAND 50 AIR V	Airband AM & VHF FM cross band repeater	$3,495.00

Accessories

Model	Description	MSRP
EXTWARRPT1	1 year extended warranty for a total 3 years	$180.00
EXTWARRPT2	2 year extended warranty for a total 4 years	$325.00
EXTWARRPT3	3 year extended warranty for a total 5 years	$465.00
Cabinets		
IASMNT1030	30" (17RU) locking indoor cabinet	$1,165.00
IASMNT1046	46" (26RU) locking indoor cabinet	$2,280.00
IASMNT1060	60" (34RU) locking indoor cabinet	$3,190.00
Microphones		
HM152	Standard microphone for low/mid range mobile radios	$44.00
HM152T	DTMF modular microphone for LM mobile radios	$90.00
HM216	Standard microphone for A120	$47.00
HM217	Microphone with built-in speaker and front panel includes up/down buttons and two programmable buttons (P1/P2)	$100.00
SM26	Desktop microphone with monitor switch for mobile radios	$90.00
Racks		
IASMNT1028	28x19, 16U desktop 2-post rack; 350lb weight capacity	$395.00
IASMNT1042	42x19 welded steel 2-post rack; 24U, 1,500lb weight capacity	$750.00
IASMNT1063	63x19 welded steel 2-post rack; 63U, 1,500lb weight capacity	$995.00
IASMNT1070	70x19 welded steel 2-post rack; 40U, 1,500lb weight capacity	$1,025.00
Software & Cables		
CSF3021/F5021/F5011	F3021/5021/5011 series programming software	$72.00
OPC1122U	PC to mobile radio programming cloning cable with USB connector.	$99.00
PROG-IAS	Icom to program repeaters with provided icf file or add in basic frequencies	See Optional Services

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April 2021

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Portables

V10MR
VHF Transceiver

SPECS _____

Frequencies:	151.820, 151.880, 151.940, 154.570, 154.600MHz
Output Power:	2W
Channels:	16
Channel Spacing:	12kHz
Mil Spec:	810G
Weight:	240g, 8.5oz (with BP-279)
Waterproof Rating:	IP67

FEATURES _____

License free
Loud and clear 1500mW speaker
VOX function for hands-free operation
Audio compander
Siren sound for security alarm
MDC emergency call with open microphone function (MDC RX only)
Lone worker, Man Down, Motion Detection

SUPPLIED ACCESSORIES

Antenna (FA-SC28V))
Battery (BP-279)
Charger (BC-213)
AC adapter (BC-242)
Belt clip (MB-133)
Warranty: 2 years

Configurations

Model	Description	MSRP
V10MR	Professional grade license-free radio with BC213 rapid charger.	$250.00

Accessories

Model	Description	MSRP
Antennas		
FASC28V	142-162MHz antenna J type connector	$13.00
Batteries		
BP279	Li-ion 7.2V 1485mAh battery	$70.00
Belt Clips		
MB133	Alligator type belt clip	$17.00
Cables		
OPC656	DC power cable for gang charger	$12.00
Chargers		
BC157S	AC adapter for gang chargers; 100-240V with US style plug	$150.00
BC213	Rapid charger with a US plug for radios with the BP279/BP280 battery (BC-123SA or BC242 included)	$60.00
BC214	Six bank charger with US plug AC adapter and cups installed	$495.00
BC214E	Six bank charger with EURO plug AC adapter and cups installed	$495.00
BC242	AC adapter	$25.00
CP23L	12V cigarette lighter cable for use with rapid chargers	$38.00
MB130	Vehicle charger bracket holds rapid charger; requires cigarette lighter cable	$83.00
Headsets		
HS94	Earpiece headset; use with VS/OPC2004/OPC2006/OPC1392	$25.00
HS94LWP	Earhook headset with boom microphone with 2-pin screw down connector for hands-free operation.	$60.00
HS95	Headset with boom mic; use with VS/OPC2004/OPC2006/OPC1392	$215.00
HS95LWP	Behind-the-head type with boom microphone with 2-pin screw down connector	$290.00
HS97	Earphone with throat mic headset; use with VS/OPC2004/OPC2006/OPC1392	$42.00

Accessories

Model	Description	MSRP
OPC2004LA	VOX conversion cable to to use the HS-97 for the F1000/D products	$27.00
VS4LA	PTT switch cable to communicate using the HS94/95/97	$115.00
Microphones		
HM158LA	Compact speaker microphone with revolving clip and earphone jack (right angle 2-pin screw down connector, stereo mic/mono speaker)	$47.00
HM159LA	Large speaker microphone with earphone jack and metal alligator clip (right angle 2-pin screw down connector, stereo mic/mono speaker)	$77.00
HM168LWP	Waterproof speaker microphone	$140.00
Software & Cables		
OPC478UC	USB programming cable (2-pin connectors handhelds)	$70.00
Wire Kits		
HM166LA	Earphone microphone with 2-pin right angle connector	$53.00

F3001 – F4001 Series
Entry Level Analog Portables

SPECS _____

Frequencies:	136-174, 400-470, 450-512MHz
Output Power:	5W (VHF); 4W (UHF)
Channels:	16
Channel Spacing:	12.5kHz
Mil Spec:	810 C, D, E
Scan:	Normal & priority
Weight:	11.6oz (with BP-265)
Waterproof Rating:	IP54 dust and splash proof

FEATURES _____

Low battery alert with blinking LED & beep
3 Buttons
Talk around function
3-color LED (red, green & orange)
Time out timer
2-step power save
Lone worker function

SIGNALING _____

CTCSS / DTCS Encode/Decode
2-Tone, 5-Tone
MDC1200
- PTT ID
- Emergency Status

COMES WITH _____

Charger (BC-193)
Antenna (FA-SC55V or FA-SC57U)
Battery (BP-265)
Belt Clip (MB-124)
Owner's manual
Warranty: 2 years

IP54
DUST PROTECTION
& SPLASH PROOF

Meets
MIL-STD 810

OTTO
ACCESSORIES
AVAILABLE

MDC 1200
Compatible

Configurations

Model	Description	MSRP
F3001 03 RC	136-174MHz radio with 1900mAh Li-ion battery & rapid charger (BC-193)	$198.00
F4001 03 RC	400-470MHz radio with 1900mAh Li-ion battery & rapid charger (BC-193)	$198.00
F4001 43 RC	450-512MHz radio with 1900mAh Li-ion battery & rapid charger (BC-193)	$198.00

Accessories

Model	Description	MSRP
ENGRAVE	Engrave radio	See Optional Services
EXTWARR211	1 year extended warranty for a total 3 years	$25.00
EXTWARR212	2 year extended warranty for a total 4 years	$44.00
EXTWARR213	3 year extended warranty for a total 5 years	$62.00

Antennas

Model	Description	MSRP
FASC25U	400-430MHz antenna J type connector	$13.00
FASC25V	136-150MHz antenna J type connector	$13.00
FASC26US	400-450MHz stubby antenna J type connector	$14.50
FASC26VS	136-144MHz stubby antenna J type connector	$14.50
FASC27VS	142-150MHz stubby antenna J type connector	$14.50
FASC28V	142-162MHz antenna J type connector	$13.00
FASC29V	160-174MHz antenna J type connector	$13.00
FASC55V	146-174MHz standard antenna J type connector	$13.00
FASC56VS	150-160MHz stubby antenna J type connector	$14.50
FASC57U	430-470MHz standard antenna (red ring) J type connector	$13.00
FASC57VS	160-174MHz stubby antenna J type connector	$14.50
FASC61UC	380-520MHz cut antenna J type connector	$19.00
FASC61VC	136-174MHz cut antenna for the specific frequency desired	$19.00
FASC62V	150-160MHz high gain antenna J type connector	$55.00
FASC63V	155-165MHz high gain antenna J type connector	$55.00
FASC72U	470-512MHz antenna J type connector	$13.00
FASC73US	450-470MHz stubby antenna for J type connector	$14.50
LAIRD EXH 160 MXI	155-160MHz antenna	$26.00

Accessories

Model	Description	MSRP
LARSEN SPHL10160IC	151-163MHz helical ¼ wave antenna center tuned to 157MHz	$26.00
Batteries		
BP263	Battery case that holds 6 AA alkaline batteries	$30.00
BP264	Ni-MH 7.2V 1400mAh	$47.00
BP265	Li-ion 7.4V 1900mAh	$62.00
Belt Clips		
MB124	Alligator type belt clip	$12.00
Cables		
OPC515L	DC power cable for single unit rapid chargers	$26.00
OPC656	DC power cable for gang charger	$12.00
Carrying Cases		
LCF3000 SWIVEL	Leather carrying case with a swivel for the F3001/4001 & F3101D/4101D radios	$50.00
NCF3000 CLIP	Nylon carrying case with a clip for the F3001/4001 & F3101D/4101D radios	$27.00
Chargers		
AD121	Adapter cup that fits into the BC197 12/13 for the BP265 Li-ion battery	$23.00
BC123SA	AC adapter for rapid chargers; 100-240V with US style plug	$25.00
BC123SE	AC adapter for rapid chargers; 100-240V with Euro style plug	$26.00
BC157S	AC adapter for gang chargers; 100-240V with US style plug	$150.00
BC157SE	AC adapter for gang chargers; 100-240V with Euro style plug	$130.00
BC193	Rapid charger for radios with BP265 Li-ion battery; 100-240V with US style plug	$67.00
BC193E	Rapid charger for radios with BP265 Li-ion battery; 100-240V with Euro style plug	$67.00
BC197 02	Six unit charger for radios with the BP264 NiMH battery (includes AC adapter and cups installed); 100-240V with US style plug	$510.00
BC197 03	Six unit charger for radios with the BP264 NiMH battery (includes AC adapter and cups installed); 100-240V with Euro style plug	$510.00
BC197 12	110-240V six unit charger for radios with the BP265 Li-Ion battery (includes AC adapter with US plug and cups installed)	$510.00
BC197 13	220V six unit charger for radios with the BP265 Li-Ion battery (includes AC adapter and cups installed)	$510.00

Accessories

Model	Description	MSRP
CP23L	12V cigarette lighter cable for use with rapid chargers	$38.00
MB130	Vehicle charger bracket holds rapid charger; requires cigarette lighter cable	$83.00

Headsets

Model	Description	MSRP
HS94	Earpiece headset; use with VS/OPC2004/OPC2006/OPC1392	$25.00
HS95	Headset with boom mic; use with VS/OPC2004/OPC2006/OPC1392	$215.00
HS97	Earphone with throat mic headset; use with VS/OPC2004/OPC2006/OPC1392	$42.00
OPC2004	Adapter plug to to use the HS94/95/97 for the F3001/4001/3101D/4101D & V80	$27.00

Manuals

Model	Description	MSRP
94415602	F3001/4001 USB Drive service manual	$28.97

Microphones

Model	Description	MSRP
HM158LA	Compact speaker microphone with revolving clip and earphone jack (right angle 2-pin screw down connector, stereo mic/mono speaker)	$47.00
HM159LA	Large speaker microphone with earphone jack and metal alligator clip (right angle 2-pin screw down connector, stereo mic/mono speaker)	$77.00
HM-HD7I7WP	Large waterproof speaker microphone with 3.5mm accessory jack (right angle 2-pin screw down connector)	$110.00
IMPACT HD3-I3	Heavy duty speaker mic w/3.5mm accessory jack (2-pin screw down connector)	$59.00

Software & Cables

Model	Description	MSRP
CSF3001	F3001/F4001 programming software	$72.00
OPC478UC	USB programming cable (2-pin connectors handhelds)	$70.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	See Optional Services

Wire Kits

Model	Description	MSRP
HM128L	Earphone/mic with 2-pin right angle connector	$28.50
HM166LA	Earphone microphone with 2-pin right angle connector	$53.00

F1000/S/T – F2000/S/T Series

Entry Level Analog Portables

SPECS _____

Frequencies:	136-174, 400-470, 450-512MHz
Output Power:	5W (VHF); 4W (UHF)
Channels:	16 or 128 (S/T)
Channel Spacing:	12.5kHz
Mil Spec:	MIL-STD 810 C,D,E,F,G,
Weight:	8.47oz (with BP-279)
Waterproof Rating:	IP67 dust-tight and waterproof protection
Versions:	With full keypad
	With simple keypad
	Without LCD and front keypad

FEATURES _____

Enhanced emergency with built-in motion sensor
Selective calling, quiet sand-by and more
Channel announcement
Built-in inversion voice scrambler
8 DTMF autodial memories
"Shift key" function increases number of programmable key assignments
Surveillance function
Escalating alarm

COMES WITH _____

Antenna (FA-SC55V, FA-SC57U or FA-SC72U)
Battery pack (BP-279)
Belt Clip (MB-133)
Charger (BC-213)
Warranty: 2 years

SIGNALING _____

CTCSS / DTCS encode & decode
Built-In 2-Tone, 5-Tone
MDC1200 16 channel version
- PTT ID (transmit only)
- Emergency Call (transmit only)
MDC1200 S/T version
- PTT ID (Tx/Rx)
- Emergency (Tx/Rx)
- Radio check (Rx)
- Stun/revive (Rx)
- Transmit status message
- 100 alias table

MDC 1200 Compatible   **IP67**   **Meets MIL-STD 810**

Configurations

Model	Description	MSRP
F1000 RC	136-174MHz,16 CH, no display, analog portable with rapid charger	$260.00
F1000S RC	136-174MHz, 128 CH, LCD, 4-key analog portable with rapid charger	$340.00
F1000T RC	136-174MHz, 128CH, LCD, full DTMF keypad analog portable with rapid charger	$370.00
F2000L RC	400-470MHz, 16 CH, no display, analog portable with rapid charger	$260.00
F2000SL RC	400-470MHz, 128 CH, LCD, 4-key analog portable with rapid charger	$340.00
F2000TL RC	400-470MHz, 128CH, LCD, full DTMF keypad analog portable with rapid charger	$370.00
F2000H RC	450-512MHz, 16 CH, no display, analog portable with rapid charger	$260.00
F2000SH RC	450-512MHz, 128 CH, LCD, 4-key analog portable with rapid charger	$340.00
F2000TH RC	450-512MHz, 128CH, LCD, full DTMF keypad analog portable with rapid charger	$370.00

Accessories

Model	Description	MSRP
ENGRAVE	Engrave radio	See Optional Services
EXTWARR211	1 year extended warranty for a total 3 years	$25.00
EXTWARR212	2 year extended warranty for a total 4 years	$44.00
EXTWARR213	3 year extended warranty for a total 5 years	$62.00

Antennas

Model	Description	MSRP
FASC25U	400-430MHz antenna J type connector	$13.00
FASC25V	136-150MHz antenna J type connector	$13.00
FASC26US	400-450MHz stubby antenna J type connector	$14.50
FASC26VS	136-144MHz stubby antenna J type connector	$14.50
FASC27VS	142-150MHz stubby antenna J type connector	$14.50
FASC28V	142-162MHz antenna J type connector	$13.00
FASC29V	160-174MHz antenna J type connector	$13.00
FASC55V	146-174MHz standard antenna J type connector	$13.00
FASC56VS	150-160MHz stubby antenna J type connector	$14.50
FASC57U	430-470MHz standard antenna (red ring) J type connector	$13.00
FASC57VS	160-174MHz stubby antenna J type connector	$14.50
FASC61UC	380-520MHz cut antenna J type connector	$19.00

Accessories

Model	Description	MSRP
FASC61VC	136-174MHz cut antenna for the specific frequency desired	$19.00
FASC62V	150-160MHz high gain antenna J type connector	$55.00
FASC63V	155-165MHz high gain antenna J type connector	$55.00
FASC72U	470-512MHz antenna J type connector	$13.00
FASC73US	450-470MHz stubby antenna for J type connector	$14.50

Batteries

BP279	Li-ion 7.2V 1485mAh battery	$70.00
BP280	Li-ion 7.2V 2280mAh battery	$85.00

Belt Clips

MB133	Alligator type belt clip	$17.00
MB96N	Swivel belt hanger to use with standard belt clip	$37.00

Cables

OPC515L	DC power cable for single unit rapid chargers	$26.00
OPC656	DC power cable for gang charger	$12.00

Carrying Cases

LCF1000S	Leather carrying case with a swivel for F1000/2000/D non display radios	$50.00
LCF1000SS	Leather carrying case with a swivel belt loop and cutout for the display for the F1000S/2000S	$50.00
LCF1000TS	Leather case for the F1000T/2000T with a full keypad cutout with a swivel loop	$50.00
NCF1000C	Nylon carrying case with a clip for the F1000/2000/D non display radios	$27.00
NCF1000SC	Nylon carrying case with a clip and cutout for the display F1000S/2000S	$27.00
NCF1000TC	Nylon carrying case with a clip and cutout for the display and keypad F1000T/2000T	$27.00

Chargers

AD130	Adapter cup that fits into the BC214 for the F1000/D series	$23.00
BC123SA	AC adapter for rapid chargers; 100-240V with US style plug	$25.00
BC123SE	AC adapter for rapid chargers; 100-240V with Euro style plug	$26.00
BC157S	AC adapter for gang chargers; 100-240V with US style plug	$150.00
BC157SE	AC adapter for gang chargers; 100-240V with Euro style plug	$130.00

Icom America Inc.

Accessories

Model	Description	MSRP
BC213	Rapid charger with a US plug for radios with the BP279/BP280 battery (BC-123SA or BC242 included)	$60.00
BC213NAC	Rapid charger cup for radios with the BP279 battery (BC-123S not included)	$35.00
BC214	Six bank charger with US plug AC adapter and cups installed	$495.00
BC214E	Six bank charger with EURO plug AC adapter and cups installed	$495.00
CP23L	12V cigarette lighter cable for use with rapid chargers	$38.00
MB130	Vehicle charger bracket holds rapid charger; requires cigarette lighter cable	$83.00

Headsets

Model	Description	MSRP
HS94	Earpiece headset; use with VS/OPC2004/OPC2006/OPC1392	$25.00
HS94LWP	Earhook headset with boom microphone with 2-pin screw down connector for hands-free operation.	$60.00
HS95	Headset with boom mic; use with VS/OPC2004/OPC2006/OPC1392	$215.00
HS95LWP	Behind-the-head type with boom microphone with 2-pin screw down connector	$290.00
HS97	Earphone with throat mic headset; use with VS/OPC2004/OPC2006/OPC1392	$42.00
VS4LA	PTT switch cable to communicate using the HS94/95/97	$115.00

Microphones

Model	Description	MSRP
HM158LA	Compact speaker microphone with revolving clip and earphone jack (right angle 2-pin screw down connector, stereo mic/mono speaker)	$47.00
HM159LA	Large speaker microphone with earphone jack and metal alligator clip (right angle 2-pin screw down connector, stereo mic/mono speaker)	$77.00
HM-HD7I7WP	Large waterproof speaker microphone with 3.5mm accessory jack (right angle 2-pin screw down connector)	$110.00
SP-AT1	Single pin listen only w/QD acoustic tube (9", 3.5mm L-shape)	$31.50

Software & Cables

Model	Description	MSRP
CSF2000	Programming software for the F1000/2000 series	$72.00
OPC478UC	USB programming cable (2-pin connectors handhelds)	$70.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	See Optional Services

Wire Kits

Model	Description	MSRP
HM166LA	Earphone microphone with 2-pin right angle connector	$53.00

F1100D – F2100D Series
Entry Level IDAS™ Portables

SPECS _____

Frequencies:	136-174, 400-470MHz
Output Power:	5W (VHF); 4W (UHF)
Channels:	16 or 128 (S/T)
Channel Spacing:	12.5 / 6.25 kHz
Mil Spec:	MIL-STD 810 C,D,E,F,G,
Weight:	9.2oz (with BP-280)
Waterproof Rating:	IP67 dust-tight and waterproof protection
Versions:	With full keypad
	With simple keypad
	Without LCD and front keypad

FEATURES _____

AquaQuake™
16-position rotary selector and ON/OFF volume knob
DTMF audio dial
 "Shift key" function increases number of programmable key assignments
Three color LED
Channel announcement
Man down
Motion & stationary detection
Lone worker function
Surveillance function
16-code inversion analog scrambler

IDAS FEATURES _____

IDAS™ conventional
IDAS multi-site conventional over IP network
IDAS™ type D-single-site trunking
Analog/digital mixed mode operation
AMBE+2™ VOCODER
Over-the-Air Alias (OAA) updates the call list over the air (LCD versions)
Individual, group and all call
Status all and polling
Short data messages (LCD versions)
Call alert

COMES WITH _____

Antenna (FA-SC55V or FA-SC57U)
Battery pack (BP-280)
Belt Clip (MB-133)
Charger (BC-213 included w/some versions)
Warranty: 2 years

SIGNALING (Analog Only)

CTCSS / DTCS
2/5 Tone
MDC1200: PTT ID transmission

Icom America Inc.
U.S. Land Mobile Retail: Product Catalog

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3003.04.21

Configurations

Model	Description	MSRP
F1100D RC	136-174MHz IDAS portable with 16 channels and no display with rapid charger	$405.00
F1100DS RC	136-174MHz IDAS portable with 128 channels, display with limited keypad, and rapid charger	$495.00
F1100DT	136-174MHz IDAS portable with 128 channels, display and full DTMF keypad	$500.00
F2100DH RC	450-512MHz IDAS portable with 16 channels and no display	$405.00
F2100DT 36	450-512MHz IDAS portable with 128 channels, LCD, full DTMF keypad	$500.00
F2100DL RC	400-470MHz IDAS portable (5W) with 16 channels + rapid charger and no display	$405.00
F2100DSL RC	400-470MHz IDAS portable with 128 channels, display, limited keypad and rapid charger	$495.00
F2100DT 31	400-470MHz IDAS portable with 128 channels, LCD, full DTMF keypad	$500.00

Accessories

Model	Description	MSRP
EXTWARR211	1 year extended warranty for a total 3 years	$25.00
EXTWARR212	2 year extended warranty for a total 4 years	$44.00
EXTWARR213	3 year extended warranty for a total 5 years	$62.00
EXTWARR611	1 year extended warranty	$40.00
EXTWARR612	2 year extended warranty	$70.00
EXTWARR613	3 year extended warranty	$110.00
Antennas		
FASC25U	400-430MHz antenna J type connector	$13.00

Accessories

Model	Description	MSRP
FASC25V	136-150MHz antenna J type connector	$13.00
FASC26US	400-450MHz stubby antenna J type connector	$14.50
FASC26VS	136-144MHz stubby antenna J type connector	$14.50
FASC27VS	142-150MHz stubby antenna J type connector	$14.50
FASC28V	142-162MHz antenna J type connector	$13.00
FASC29V	160-174MHz antenna J type connector	$13.00
FASC55V	146-174MHz standard antenna J type connector	$13.00
FASC56VS	150-160MHz stubby antenna J type connector	$14.50
FASC57U	430-470MHz standard antenna (red ring) J type connector	$13.00
FASC57VS	160-174MHz stubby antenna J type connector	$14.50
FASC61UC	380-520MHz cut antenna J type connector	$19.00
FASC61VC	136-174MHz cut antenna for the specific frequency desired	$19.00
FASC62V	150-160MHz high gain antenna J type connector	$55.00
FASC63V	155-165MHz high gain antenna J type connector	$55.00
FASC73US	450-470MHz stubby antenna for J type connector	$14.50

Batteries

BP280	Li-ion 7.2V 2280mAh battery	$85.00

Belt Clips

MB133	Alligator type belt clip	$17.00
MB96N	Swivel belt hanger to use with standard belt clip	$37.00

Cables

OPC515L	DC power cable for single unit rapid chargers	$26.00
OPC656	DC power cable for gang charger	$12.00

Carrying Cases

LCF1000S	Leather carrying case with a swivel for F1000/2000/D non display radios	$50.00
LCF1000SS	Leather carrying case with a swivel belt loop and cutout for the display for the F1000S/2000S	$50.00
LCF1000TS	Leather case for the F1000T/2000T with a full keypad cutout with a swivel loop	$50.00
NCF1000C	Nylon carrying case with a clip for the F1000/2000/D non display radios	$27.00

Accessories

Model	Description	MSRP
NCF1000SC	Nylon carrying case with a clip and cutout for the display F1000S/2000S	$27.00
NCF1000TC	Nylon carrying case with a clip and cutout for the display and keypad F1000T/2000T	$27.00

Chargers

Model	Description	MSRP
AD130	Adapter cup that fits into the BC214 for the F1000/D series	$23.00
BC123SA	AC adapter for rapid chargers; 100-240V with US style plug	$25.00
BC123SE	AC adapter for rapid chargers; 100-240V with Euro style plug	$26.00
BC157S	AC adapter for gang chargers; 100-240V with US style plug	$150.00
BC157SE	AC adapter for gang chargers; 100-240V with Euro style plug	$130.00
BC213	Rapid charger with a US plug for radios with the BP279/BP280 battery (BC-123SA or BC242 included)	$60.00
BC213NAC	Rapid charger cup for radios with the BP279 battery (BC-123S not included)	$35.00
BC214	Six bank charger with US plug AC adapter and cups installed	$495.00
BC214E	Six bank charger with EURO plug AC adapter and cups installed	$495.00
CP23L	12V cigarette lighter cable for use with rapid chargers	$38.00
MB130	Vehicle charger bracket holds rapid charger; requires cigarette lighter cable	$83.00

Headsets

Model	Description	MSRP
HS94LWP	Earhook headset with boom microphone with 2-pin screw down connector for hands-free operation.	$60.00
HS95LWP	Behind-the-head type with boom microphone with 2-pin screw down connector	$290.00
HS97	Earphone with throat mic headset; use with VS/OPC2004/OPC2006/OPC1392	$42.00
OPC2004LA	VOX conversion cable to to use the HS-97 for the F1000/D products	$27.00
VS4LA	PTT switch cable to communicate using the HS94/95/97	$115.00

Microphones

Model	Description	MSRP
HM158LA	Compact speaker microphone with revolving clip and earphone jack (right angle 2-pin screw down connector, stereo mic/mono speaker)	$47.00
HM159LA	Large speaker microphone with earphone jack and metal alligator clip (right angle 2-pin screw down connector, stereo mic/mono speaker)	$77.00
HM-HD7I7WP	Large waterproof speaker microphone with 3.5mm accessory jack (right angle 2-pin screw down connector)	$110.00
SP-AT1	Single pin listen only w/QD acoustic tube (9", 3.5mm L-shape)	$31.50

Accessories

Model	Description	MSRP
Software & Cables		
CSF2100D	Programming software for the F1100D/2100D	$75.00
OPC478UC	USB programming cable (2-pin connectors handhelds)	$70.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	See Optional Services
Wire Kits		
HM166LA	Earphone microphone with 2-pin right angle connector	$53.00

F3201DEX – F4201DEX Series
IECEx/ATEX Intrinsically Safe IDAS VHF/UHF Portables

SPECS _____

Frequencies:	136-174, 400-470
Output Power:	1W
Channels:	16
Channel Spacing:	12.5 / 6.25kHz
Mil Spec:	801 C, D, E, F, G
Scan:	Normal & Priority
Weight:	1.03lbs
Waterproof Rating:	IP67 dust-tight and water proof

FEATURES _____

General Features:
- IEC Certifications
    - Mining : Ex ib I Mb
    - Gas : Ex ib IIC T4 Gb
    - Dust : Ex ib IIIC T110°C Db
- ATEX Certifications
    - Mining : I M2 Ex ib I Mb
    - Gas : II 2G Ex ib IIC T4 Gb
    - Dust : II 2D Ex ib IIIC T110°C Db
- Channel announcement
- DTMF autodial
- Three programmable buttons
- Low electrical resistivity body
- Man down & lone worker (analog only)

Digital Features:
- IDAS™ conventional
- IDAS™ single-site type-D trunking
- NXDN® Digital Air Interface

SIGNALING _____

CTCSS / DCS / DTMF encode & decode (analog)
2/5 Tone encode & decode (analog)
MDC1200 PTT ID & Emergency

COMES WITH _____

Antenna (FA-SC55V or FA-SC57U)
Battery (BP-227EX)
Belt Clip (MB-94EX)
Charger (BC-212EX)
Owner's Manual
Warranty: 2 years

IP67   Meets MIL-STD 810   IDAS

Configurations

Model	Description	MSRP
F3201DEX 14	136-174MHz ATEX intrinsically safe IDAS portable	$1,250.00

Accessories

Model	Description	MSRP
Antennas		
FASC25U	400-430MHz antenna J type connector	$13.00
FASC25V	136-150MHz antenna J type connector	$13.00
FASC26US	400-450MHz stubby antenna J type connector	$14.50
FASC26VS	136-144MHz stubby antenna J type connector	$14.50
FASC27VS	142-150MHz stubby antenna J type connector	$14.50
FASC28V	142-162MHz antenna J type connector	$13.00
FASC29V	160-174MHz antenna J type connector	$13.00
FASC55V	146-174MHz standard antenna J type connector	$13.00
FASC57U	430-470MHz standard antenna (red ring) J type connector	$13.00
Batteries		
BP277EX	Li-ion 7.4V 1900mAh (typ. capacity), 1800mAh (min. value) blue battery	$400.00
Belt Clips		
MB94EX	Blue alligator belt clip for F3201DEX/4201DEX	$17.00
Chargers		
BC212EX	Rapid charger (includes BC213SA) for F3201DEX/4201DEX	$130.00
Microphones		
HM203EX	Blue speaker microphone for F3201DEX/4201DEX	$210.00
Software & Cables		
CSF3101D/F5121D	F3101D/F5121D series programming software	$72.00
OPC1862	USB programming cloning cable for radios with 14-pin connector	$189.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	See Optional Services

F3210D – F4210D Series
Entry Level IDAS™ Trunking Portables

SPECS _____

Frequencies:	136-174, 400-470, 450-512
Output Power:	5W (VHF);
	4W (UHF)
Channels:	16
Channel Spacing:	15 / 12.5 / 6.25kHz
Mil Spec:	810 C, D, E and -F
Scan:	Priority/Vote/Roaming scan
Weight:	11.3oz (with MB-124, BP-265)
Waterproof Rating:	IP54 dust and splash proof

FEATURES _____

General Features:
- 800mW loud audio output from the large 45mm speaker
- Channel announcement
- Internal VOX capability
- Low battery alert
- Time out timer
- Lone worker function
- 2-step power save
- Talk around function
- Surveillance function

Digital Features:
- IDAS™ conventional
- IDAS multi-site and single-site trunking and IDAS multi-site conventional
- PTT ID (TX)
- Block decode
- Radio check (RX)
- Call alert
- Emergency
- GPS (TX with HM-171GP)
- Individual/Group call
- RAN (Radio Access Number)
- Stun/kill/revive (RX)
- Remote monitor (RX)

SIGNALING _____

CTCSS / DTCS encode & decode (analog only)

COMES WITH _____

Antenna (FA-SC55V or FA-SC57U)
Battery (BP-265)
Charger (BC-193)
Belt Clip (MB-124)
Owner's manual
Warranty: 2 years

Configurations

Model	Description	MSRP
F3210D 01	136-174MHz IDAS 16 channel MultiTrunk portable with rapid charger (BC193)	$485.00
F4210D 01	400-470MHz IDAS 16 channel MultiTrunk portable with rapid charger (BC193)	$485.00

Accessories

Model	Description	MSRP
ENGRAVE	Engrave radio	See Optional Services
EXTWARR211	1 year extended warranty for a total 3 years	$25.00
EXTWARR212	2 year extended warranty for a total 4 years	$44.00
EXTWARR213	3 year extended warranty for a total 5 years	$62.00
Antennas		
FASC25U	400-430MHz antenna J type connector	$13.00
FASC25V	136-150MHz antenna J type connector	$13.00
FASC26US	400-450MHz stubby antenna J type connector	$14.50
FASC26VS	136-144MHz stubby antenna J type connector	$14.50
FASC27VS	142-150MHz stubby antenna J type connector	$14.50
FASC28V	142-162MHz antenna J type connector	$13.00
FASC29V	160-174MHz antenna J type connector	$13.00
FASC55V	146-174MHz standard antenna J type connector	$13.00
FASC56VS	150-160MHz stubby antenna J type connector	$14.50
FASC57U	430-470MHz standard antenna (red ring) J type connector	$13.00
FASC57VS	160-174MHz stubby antenna J type connector	$14.50
FASC61UC	380-520MHz cut antenna J type connector	$19.00
FASC61VC	136-174MHz cut antenna for the specific frequency desired	$19.00
FASC62V	150-160MHz high gain antenna J type connector	$55.00
FASC63V	155-165MHz high gain antenna J type connector	$55.00
FASC72U	470-512MHz antenna J type connector	$13.00
FASC73US	450-470MHz stubby antenna for J type connector	$14.50
LARSEN SPHL10160IC	151-163MHz helical ¼ wave antenna center tuned to 157MHz	$26.00

Accessories

Model	Description	MSRP
Batteries		
BP263	Battery case that holds 6 AA alkaline batteries	$30.00
BP265	Li-ion 7.4V 1900mAh	$62.00
Belt Clips		
MB124	Alligator type belt clip	$12.00
Cables		
OPC515L	DC power cable for single unit rapid chargers	$26.00
OPC656	DC power cable for gang charger	$12.00
Chargers		
AD121	Adapter cup that fits into the BC197 12/13 for the BP265 Li-ion battery	$23.00
BC123SA	AC adapter for rapid chargers; 100-240V with US style plug	$25.00
BC123SE	AC adapter for rapid chargers; 100-240V with Euro style plug	$26.00
BC157S	AC adapter for gang chargers; 100-240V with US style plug	$150.00
BC157SE	AC adapter for gang chargers; 100-240V with Euro style plug	$130.00
BC193	Rapid charger for radios with BP265 Li-ion battery; 100-240V with US style plug	$67.00
BC193E	Rapid charger for radios with BP265 Li-ion battery; 100-240V with Euro style plug	$67.00
BC197 12	110-240V six unit charger for radios with the BP265 Li-Ion battery (includes AC adapter with US plug and cups installed)	$510.00
BC197 13	220V six unit charger for radios with the BP265 Li-Ion battery (includes AC adapter and cups installed)	$510.00
CP23L	12V cigarette lighter cable for use with rapid chargers	$38.00
MB130	Vehicle charger bracket holds rapid charger; requires cigarette lighter cable	$83.00
Headsets		
HS94	Earpiece headset; use with VS/OPC2004/OPC2006/OPC1392	$25.00
HS95	Headset with boom mic; use with VS/OPC2004/OPC2006/OPC1392	$215.00
HS97	Earphone with throat mic headset; use with VS/OPC2004/OPC2006/OPC1392	$42.00
OPC2004	Adapter plug to to use the HS94/95/97 for the F3001/4001/3101D/4101D & V80	$27.00

Accessories

Model	Description	MSRP
Manuals		
94416646	F3210D/4210D USB Drive service manual	$28.97
Microphones		
HM158LA	Compact speaker microphone with revolving clip and earphone jack (right angle 2-pin screw down connector, stereo mic/mono speaker)	$47.00
HM159LA	Large speaker microphone with earphone jack and metal alligator clip (right angle 2-pin screw down connector, stereo mic/mono speaker)	$77.00
HM-HD7I7WP	Large waterproof speaker microphone with 3.5mm accessory jack (right angle 2-pin screw down connector)	$110.00
IMPACT HD3-I3	Heavy duty speaker mic w/3.5mm accessory jack (2-pin screw down connector)	$59.00
SP27	Acoustic tube earphone with a clip (3.5mm)	$35.00
Software & Cables		
CSF3210D	Programming software for F3210D/4210D, F3230D/4230D & F5220D/6220D	$72.00
OPC478UC	USB programming cable (2-pin connectors handhelds)	$70.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	See Optional Services
Wire Kits		
HM128L	Earphone/mic with 2-pin right angle connector	$28.50
HM166LA	Earphone microphone with 2-pin right angle connector	$53.00

F3230D – F4230D Series

IDAS Trunking Portables

SPECS _____

Frequencies:	136-174, 400-470, 450-512
Output Power:	5W (VHF);
	4W (UHF)
Channels:	128 channels / 8 zones
Channel Spacing:	12.5 / 6.25kHz
LCD Display:	8-character alphanumeric LCD
Mil Spec:	MIL 810G
	Also meets equivalent MIL-STD-810C, -D, -E and -F
Scan:	Roaming / Voting scan
Weight:	12oz (W/BP-232WP)
Waterproof Rating:	IP67 dust-tight and water proof

FEATURES _____

General Features:
- Channel announcement
- Low battery alert
- 2-step power save
- Time out timer
- BTL amp with 1000mW audio output
- Lone worker function

Digital Features:
- IDAS™ conventional
- IDAS multi-site and single-site trunking and IDAS multi-site conventional
- Up to 500 individual and up to 500 group ID aliases (Each for single-site/multi-site/conventional)
- PTT ID and ANI
- SDM (Short Data Message)
- Status
- RAN (Radio Access Number)
- Radio check (RX)
- Call alert
- Remote monitor (RX)
- Digital voice scrambler
- ATB (All Trunks Busy) ring back

SIGNALING_____

CTCSS / DTCS encode & decode (analog only)

COMES WITH _____

Antenna (FA-SC55V, FA-SC57U or FA-SC72U)
Battery (BP-232WP)
Belt Clip (MB-94R)
Charger (BC-160)
Owner's manual
Warranty: 3 years

Configurations

Model	Description	MSRP
F3230DS 13	136-174MHz IDAS 128 channel MultiTrunk portable with display. Charger (BC-160) included.	$535.00
F4230DS 13	400-470MHz IDAS 128 channel MultiTrunk portable with display. Charger (BC-160) included.	$535.00
F4230DS 32	450-512MHz IDAS 128 channel MultiTrunk portable with display. Charger (BC-160) included.	$535.00

Accessories

Model	Description	MSRP
ENGRAVE	Engrave radio	See Optional Services
EXTWARR611	1 year extended warranty	$40.00
EXTWARR612	2 year extended warranty	$70.00
EXTWARR613	3 year extended warranty	$110.00
Antennas		
FASC25U	400-430MHz antenna J type connector	$13.00
FASC25V	136-150MHz antenna J type connector	$13.00
FASC26US	400-450MHz stubby antenna J type connector	$14.50
FASC26VS	136-144MHz stubby antenna J type connector	$14.50
FASC27VS	142-150MHz stubby antenna J type connector	$14.50
FASC28V	142-162MHz antenna J type connector	$13.00
FASC29V	160-174MHz antenna J type connector	$13.00
FASC55V	146-174MHz standard antenna J type connector	$13.00
FASC56VS	150-160MHz stubby antenna J type connector	$14.50
FASC57U	430-470MHz standard antenna (red ring) J type connector	$13.00
FASC57VS	160-174MHz stubby antenna J type connector	$14.50
FASC61UC	380-520MHz cut antenna J type connector	$19.00
FASC61VC	136-174MHz cut antenna for the specific frequency desired	$19.00
FASC62V	150-160MHz high gain antenna J type connector	$55.00
FASC63V	155-165MHz high gain antenna J type connector	$55.00
FASC72U	470-512MHz antenna J type connector	$13.00
FASC73US	450-470MHz stubby antenna for J type connector	$14.50
LAIRD EXH 160 MXI	155-160MHz antenna	$26.00

Accessories

Model	Description	MSRP
LARSEN SPHL10160IC	151-163MHz helical ¼ wave antenna center tuned to 157MHz	$26.00
Batteries		
BP232WP	Li-ion 7.4V 2300mAh (typical capacity), 2250mAh (minimum value) IP67 waterproof battery	$75.00
Belt Clips		
AW STUD/SWIVEL KIT	Metal stud that slides on like a belt clip and it's attached to a strong metal swivel belt clip	$21.00
AW SWIVEL	Swivel clip used with the AW Stud/Swivel Kit.	$13.00
MB93	Swivel belt clip	$11.00
MB94	Alligator belt clip	$10.50
MB94R	Alligator belt clip with long clip that angles the antenna/top of radio off the body	$18.00
MB96N	Swivel belt hanger to use with standard belt clip	$37.00
Cables		
OPC515L	DC power cable for single unit rapid chargers	$26.00
OPC656	DC power cable for gang charger	$12.00
Carrying Cases		
LCF3021S SWIVEL	Leather carrying case with a metal swivel clip and cutout for the display	$50.00
Chargers		
AD106	Adapter cup for the BC119N/BC121N for the radios with the BP232N/H battery	$28.00
AD122	Adapter cup that fits into the BC197 22/23 for the BP232N/H batteries	$23.00
BC147SA	AC adapter for trickle chargers; 100-240V with a US style plug	$15.00
BC147SE 15	AC adapter for trickle chargers; 230V with a Euro style plug	$16.00
BC157S	AC adapter for gang chargers; 100-240V with US style plug	$150.00
BC157SE	AC adapter for gang chargers; 100-240V with Euro style plug	$130.00
BC160	Rapid charger for radios with the BP230/231/232 battery; 100-240V with a US style plug	$70.00
BC160E	Rapid charger for radios with the BP230/231/232 battery; 100-240V with a Euro style plug	$67.00
BC197 22	Six unit charger for radios with the BP232N/H Li-Ion battery (includes AC adapter and cups installed); 100-240V with US style plug	$510.00
BC197 23	Six unit charger for radios with the BP232N/H Li-Ion battery (includes AC adapter and cups installed); 100-240V with Euro style plug	$510.00

Accessories

Model	Description	MSRP
Headsets		
HS94	Earpiece headset; use with VS/OPC2004/OPC2006/OPC1392	$25.00
HS95	Headset with boom mic; use with VS/OPC2004/OPC2006/OPC1392	$215.00
HS97	Earphone with throat mic headset; use with VS/OPC2004/OPC2006/OPC1392	$42.00
VS1L	VOX/PTT case with 2-pin right angle connector. Must use with HS94/HS95/HS97	$44.00
Manuals		
94416677	F3230D USB Drive service manual	$33.33
94416679	F4230D USB Drive Service manual	$33.33
Microphones		
HM158LA	Compact speaker microphone with revolving clip and earphone jack (right angle 2-pin screw down connector, stereo mic/mono speaker)	$47.00
HM159LA	Large speaker microphone with earphone jack and metal alligator clip (right angle 2-pin screw down connector, stereo mic/mono speaker)	$77.00
HM-HD7I7WP	Large waterproof speaker microphone with 3.5mm accessory jack (right angle 2-pin screw down connector)	$110.00
Software & Cables		
CSF3210D	Programming software for F3210D/4210D, F3230D/4230D & F5220D/6220D	72.00
OPC478UC	USB programming cable (2-pin connectors handhelds)	$70.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	See Optional Services
Wire Kits		
HM166LA	Earphone microphone with 2-pin right angle connector	$53.00

F3261D – F4261D Series (Discontinued – Limited Stock)

Waterproof Analog, LTR®, & IDAS Digital Portables

SPECS _____

Frequencies:	136-174, 400-470, 450-512MHz
Output Power:	5W
Channels:	512 / 128 zones
Channel Spacing:	12.5 & 6.25kHz
Mil Spec:	810 C, D, E
Scan:	Normal & priority
Weight:	14.1oz (with BP-232WP)
Waterproof Rating:	IP67 submersible & dust protection

FEATURES _____

General Features
- Basic LTR® / Conventional / IDAS
- GPS built-in
- Lone worker function
- 2 step reduced power setting
- Busy, repeater lockout function
- Escalating alarm
- Surveillance function temporarily turns off the LED backlight and beep sound
- Detects both analog & IDAS conventional signals and automatically selects the transmission mode to reply to received call

Digital Features
- IDAS™ conventional
- IDAS multi-site and single-site trunking and IDAS multi-site conventional
- Voting mode scanning
- NXDN® Digital Air Interface
- AMBE+2™ VOCODER
- Short & long data messages
- 64 Radio Access Numbers (RAN)
- Individual & group selective call
- Strongest site search

COMES WITH _____

Antenna (FA-SC55V or FA-SC57U)
Battery (BP-232WP)
Belt clip (MB-94R)
Owner's manual
Warranty: 3 years

SIGNALING _____

MDC1200 (analog & LTR)
CTCSS/DCS encode & decode
DTMF decode
2/5 tone encode & decode

ENCRYPTION _____

Inversion scrambler built-in. Digital voice scrambler provides 15-bit key (about 32K codes)

Configurations

Model	Description	MSRP
F3261DT NI	136-174MHz nonincendive rated waterproof IDAS radio, full DTMF keypad	$845.00
F3261DT 35 RR	Railroad specific version: 136-174MHz 512 channel, IDAS waterproof portable radio with a DTMF keypad and GPS. Special railroad firmware installed.	$880.00
F4261DS 65	400-470MHz waterproof IDAS radio with GPS, no DTMF keypad	$800.00
F4261DS 90	450-512MHz waterproof IDAS radio with GPS, no DTMF keypad	$800.00
F4261DT 85	450-512MHz waterproof IDAS radio with GPS, full DTMF keypad	$845.00
F4261DT NI-1	400-470MHz nonincendive rated waterproof IDAS radio, full DTMF keypad	$845.00
F4261DT NI-2	450-512MHz nonincendive rated waterproof IDAS radio, full DTMF keypad	$845.00

Accessories

Model	Description	MSRP
ENGRAVE	Engrave radio	See Optional Services
EXTWARR611	1 year extended warranty	$40.00
EXTWARR612	2 year extended warranty	$70.00
EXTWARR613	3 year extended warranty	$110.00
Antennas		
FASC25U	400-430MHz antenna J type connector	$13.00
FASC25V	136-150MHz antenna J type connector	$13.00
FASC26US	400-450MHz stubby antenna J type connector	$14.50
FASC26VS	136-144MHz stubby antenna J type connector	$14.50
FASC27VS	142-150MHz stubby antenna J type connector	$14.50
FASC28V	142-162MHz antenna J type connector	$13.00
FASC29V	160-174MHz antenna J type connector	$13.00
FASC55V	146-174MHz standard antenna J type connector	$13.00
FASC56VS	150-160MHz stubby antenna J type connector	$14.50
FASC57U	430-470MHz standard antenna (red ring) J type connector	$13.00
FASC57VS	160-174MHz stubby antenna J type connector	$14.50
FASC61UC	380-520MHz cut antenna J type connector	$19.00
FASC61VC	136-174MHz cut antenna for the specific frequency desired	$19.00
FASC62V	150-160MHz high gain antenna J type connector	$55.00

Accessories

Model	Description	MSRP
FASC63V	155-165MHz high gain antenna J type connector	$55.00
FASC72U	470-512MHz antenna J type connector	$13.00
FASC73US	450-470MHz stubby antenna for J type connector	$14.50
LAIRD EXH 160 MXI	155-160MHz antenna	$26.00
LARSEN SPHL10160IC	151-163MHz helical ¼ wave antenna center tuned to 157MHz	$26.00
Batteries		
BP232UL	Li-ion 7.4V 2300mAh (typical capacity), 2250mAh (minimum value) for the nonincendive approved radios	$175.00
BP232WP	Li-ion 7.4V 2300mAh (typical capacity), 2250mAh (minimum value) IP67 waterproof battery	$75.00
BP240	Battery case that holds 6 AAA alkaline batteries (1W output power)	$35.00
Belt Clips		
MB93	Swivel belt clip	$11.00
MB94	Alligator belt clip	$10.50
MB94R	Alligator belt clip with long clip that angles the antenna/top of radio off the body	$18.00
MB96N	Swivel belt hanger to use with standard belt clip	$37.00
Cables		
OPC515L	DC power cable for single unit rapid chargers	$26.00
OPC656	DC power cable for gang charger	$12.00
Carrying Cases		
LCF3261S SWIVEL	Leather carrying case with a swivel clip and cutout for the display for F3261	$50.00
LCF3261T SWIVEL	Leather carrying case with a swivel clip and cutout for the DTMF keypad for F3261 series	$50.00
NCF3261T CLIP	Nylon carrying case with a clip and cutout for the DTMF keypad for F3261 series	$27.00
Chargers		
AD106	Adapter cup for the BC119N/BC121N for the radios with the BP232N/H battery	$28.00
AD122	Adapter cup that fits into the BC197 22/23 for the BP232N/H batteries	$23.00
BC123SA	AC adapter for rapid chargers; 100-240V with US style plug	$25.00
BC123SE	AC adapter for rapid chargers; 100-240V with Euro style plug	$26.00
BC157S	AC adapter for gang chargers; 100-240V with US style plug	$150.00

Accessories

Model	Description	MSRP
BC157SE	AC adapter for gang chargers; 100-240V with Euro style plug	$130.00
BC160	Rapid charger for radios with the BP230/231/232 battery; 100-240V with a US style plug	$70.00
BC160E	Rapid charger for radios with the BP230/231/232 battery; 100-240V with a Euro style plug	$67.00
BC197 22	Six unit charger for radios with the BP232N/H Li-Ion battery (includes AC adapter and cups installed); 100-240V with US style plug	$510.00
BC197 23	Six unit charger for radios with the BP232N/H Li-Ion battery (includes AC adapter and cups installed); 100-240V with Euro style plug	$510.00
CP23L	12V cigarette lighter cable for use with rapid chargers	$38.00
MB130	Vehicle charger bracket holds rapid charger; requires cigarette lighter cable	$83.00
SS BC61	Mobile rapid charger with cigarette adapter for the F3161 & F3261 series	$215.00

Headsets

HS94	Earpiece headset; use with VS/OPC2004/OPC2006/OPC1392	$25.00
HS95	Headset with boom mic; use with VS/OPC2004/OPC2006/OPC1392	$215.00
HS97	Earphone with throat mic headset; use with VS/OPC2004/OPC2006/OPC1392	$42.00
VS1MC	VOX/PTT case with 14-pin connector. Must use with HS94/HS95/HS97.	$84.00
VS4MC	Cable with heavy duty PTT switch with 14-pin connector. Use with HS94/HS95/HS97.	$150.00

Manuals

94416576	F3261/4261 USB Drive service manual	$33.33

Microphones

HM184H	14-pin loud waterproof speaker mic (no accessory jack)	$118.00
HM184IS	14-pin intrinsically safe approved waterproof speaker mic (no accessory jack)	$150.00
HM-HD7I6WP	Large waterproof, high gain speaker microphone with 3.5mm accessory jack (14-pin connector)	$120.00
IMPACT HD3-I6	Lightweight heavy duty use speaker mic with 3.5mm accessory jack (14-pin connector)	$98.00
SP-AT1	Single pin listen only w/QD acoustic tube (9", 3.5mm L-shape)	$31.50

Miscellaneous

AD118	14-pin ACC adapter to use with Hirose plug accessories	$80.00

Software & Cables

CSF3161/F5061	Software to program the F3161/4161 & F5061/6061 radios	$72.00

Icom America Inc.

Accessories

Model	Description	MSRP
OPC1862	USB programming cloning cable for radios with 14-pin connector	$189.00
OPC1870	Radio to radio cloning cable between two 14-pin connector portable radios	$125.00
OPC1871	Radio to radio cloning cable between 14-pin connector portable & mobile radio; used in conjunction with the OPC1534 for encryption key loading on the F7010 portable series	$110.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	See Optional Services

F3360D – F4360D Series

Waterproof Analog, IDAS™ 12.5 kHz & 6.25 kHz Digital & Type-C Trunking

SPECS _____

Frequencies:	136-174, 400-470MHz
Output Power:	5W
Channels:	512 / 128 zones
Channel Spacing:	12.5 & 6.25kHz
Mil Spec:	810 C, D, E & F
Scan:	Normal & priority
Weight:	14.1oz (with BP-232WP)
Waterproof Rating:	IP67 submersible & dust protection

FEATURES _____

General Features
- Analog & digital conventional / IDAS mixed mode
- Built-in GPS
- Lone worker function
- 2 step reduced power setting
- Busy, repeater lockout function
- Escalating alarm
- Surveillance function temporarily turns off the LED backlight and beep sound
- Detects both analog & IDAS conventional signals and automatically selects the transmission mode to reply to received call

Digital Features
- IDAS™ conventional
- IDAS Type C trunking
- NXDN® Digital Air Interface
- AMBE+2™ VOCODER
- Transparent data
- 64 Radio Access Numbers (RAN)
- 1 site and multi-site individual & group call
- Strongest site search
- Forced site search

COMES WITH _____

Antenna (FA-SC55V or FA-SC57U)
Battery (BP-232WP)
Belt clip (MB-94R)
Owner's manual
Warranty: 3 years

SIGNALING _____

MDC1200
CTCSS/DCS encode & decode
DTMF decode

ENCRYPTION _____

Inversion scrambler built-in. Digital voice scrambler provides 15-bit key (about 32K codes)

Configurations

Model	Description	MSRP
F3360DS 11	136-174MHz waterproof IDAS radio with GPS, 512CH, 4-key	$850.00

Accessories

Model	Description	MSRP
EXTWARR611	1 year extended warranty	$40.00
EXTWARR612	2 year extended warranty	$70.00
EXTWARR613	3 year extended warranty	$110.00
Antennas		
FASC25U	400-430MHz antenna J type connector	$13.00
FASC25V	136-150MHz antenna J type connector	$13.00
FASC26US	400-450MHz stubby antenna J type connector	$14.50
FASC26VS	136-144MHz stubby antenna J type connector	$14.50
FASC27VS	142-150MHz stubby antenna J type connector	$14.50
FASC28V	142-162MHz antenna J type connector	$13.00
FASC29V	160-174MHz antenna J type connector	$13.00
FASC55V	146-174MHz standard antenna J type connector	$13.00
FASC56VS	150-160MHz stubby antenna J type connector	$14.50
FASC57U	430-470MHz standard antenna (red ring) J type connector	$13.00
FASC57VS	160-174MHz stubby antenna J type connector	$14.50
FASC61UC	380-520MHz cut antenna J type connector	$19.00
FASC61VC	136-174MHz cut antenna for the specific frequency desired	$19.00
FASC62V	150-160MHz high gain antenna J type connector	$55.00
FASC63V	155-165MHz high gain antenna J type connector	$55.00
FASC72U	470-512MHz antenna J type connector	$13.00
FASC73US	450-470MHz stubby antenna for J type connector	$14.50
LAIRD EXH 160 MXI	155-160MHz antenna	$26.00

Accessories

Model	Description	MSRP
LARSEN SPHL10160IC	151-163MHz helical ¼ wave antenna center tuned to 157MHz	$26.00
Batteries		
BP232WP	Li-ion 7.4V 2300mAh (typical capacity), 2250mAh (minimum value) IP67 waterproof battery	$75.00
BP240	Battery case that holds 6 AAA alkaline batteries (1W output power)	$35.00
Belt Clips		
MB93	Swivel belt clip	$11.00
MB94	Alligator belt clip	$10.50
MB94R	Alligator belt clip with long clip that angles the antenna/top of radio off the body	$18.00
MB96N	Swivel belt hanger to use with standard belt clip	$37.00
Cables		
OPC515L	DC power cable for single unit rapid chargers	$26.00
OPC656	DC power cable for gang charger	$12.00
Carrying Cases		
LCF3261S SWIVEL	Leather carrying case with a swivel clip and cutout for the display for F3261	$50.00
LCF3261T SWIVEL	Leather carrying case with a swivel clip and cutout for the DTMF keypad for F3261 series	$50.00
NCF3261T CLIP	Nylon carrying case with a clip and cutout for the DTMF keypad for F3261 series	$27.00
Chargers		
AD106	Adapter cup for the BC119N/BC121N for the radios with the BP232N/H battery	$28.00
AD122	Adapter cup that fits into the BC197 22/23 for the BP232N/H batteries	$23.00
BC123SA	AC adapter for rapid chargers; 100-240V with US style plug	$25.00
BC123SE	AC adapter for rapid chargers; 100-240V with Euro style plug	$26.00
BC157S	AC adapter for gang chargers; 100-240V with US style plug	$150.00
BC157SE	AC adapter for gang chargers; 100-240V with Euro style plug	$130.00
BC160	Rapid charger for radios with the BP230/231/232 battery; 100-240V with a US style plug	$70.00
BC160E	Rapid charger for radios with the BP230/231/232 battery; 100-240V with a Euro style plug	$67.00

Accessories

Model	Description	MSRP
BC197 22	Six unit charger for radios with the BP232N/H Li-Ion battery (includes AC adapter and cups installed); 100-240V with US style plug	$510.00
BC197 23	Six unit charger for radios with the BP232N/H Li-Ion battery (includes AC adapter and cups installed); 100-240V with Euro style plug	$510.00
CP23L	12V cigarette lighter cable for use with rapid chargers	$38.00
MB130	Vehicle charger bracket holds rapid charger; requires cigarette lighter cable	$83.00
SS BC61	Mobile rapid charger with cigarette adapter for the F3161 & F3261 series	$215.00

Headsets

Model	Description	MSRP
HS94	Earpiece headset; use with VS/OPC2004/OPC2006/OPC1392	$25.00
HS95	Headset with boom mic; use with VS/OPC2004/OPC2006/OPC1392	$215.00
HS97	Earphone with throat mic headset; use with VS/OPC2004/OPC2006/OPC1392	$42.00
VS1MC	VOX/PTT case with 14-pin connector. Must use with HS94/HS95/HS97.	$84.00
VS4MC	Cable with heavy duty PTT switch with 14-pin connector. Use with HS94/HS95/HS97.	$150.00

Microphones

Model	Description	MSRP
HM184H	14-pin loud waterproof speaker mic (no accessory jack)	$118.00
HM-HD7I6WP	Large waterproof, high gain speaker microphone with 3.5mm accessory jack (14-pin connector)	$120.00
IMPACT HD3-I6	Lightweight heavy duty use speaker mic with 3.5mm accessory jack (14-pin connector)	$98.00

Miscellaneous

Model	Description	MSRP
AD118	14-pin ACC adapter to use with Hirose plug accessories	$80.00

Software & Cables

Model	Description	MSRP
CSF3360D/F5360D	Programming software for the F3360D & F5360D series	$90.00
OPC1862	USB programming cloning cable for radios with 14-pin connector	$189.00
OPC1870	Radio to radio cloning cable between two 14-pin connector portable radios	$125.00
OPC1871	Radio to radio cloning cable between 14-pin connector portable & mobile radio; used in conjunction with the OPC1534 for encryption key loading on the F7010 portable series	$110.00
OPC2338	14-pin programming cable plus transparent data transfer	$235.00
OPC2344	Modular connector programming cable plus Type-C NXDN transparent data transfer for F5360D/4360D	$135.00

Accessories

Model	Description	MSRP
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	See Optional Services

F52D/F62D Series
Analog & IDAS Digital Compact Waterproof Portables

SPECS _____

Frequencies:	136-174, 380-470, 450-512MHz
Output Power:	5W
Channels:	512 w/128 zones
Display:	14 character full dot-matrix w/status icons
Mil Spec:	C, D, E, F & G
Scan:	Normal, priority & dual priority
Waterproof Rating:	IP67
Weight:	8.1oz

GENERAL FEATURES _____

Voice recording/playback (up to 8 minutes)
Programmable vibration alert
Bluetooth™ built-in
Voice announcement (channel number and zone)
Backlit LCD and buttons
20-position rotary selector and ON/OFF volume knob
Emergency key
Man down function
Lone worker function

IDAS FEATURES _____

IDAS™ conventional
IDAS™ single-site and multi-site TYPE-D trunking option
AMBE+2™ vocoder
Analog/digital mixed operation
Over-the-Air Programming with manager software
Over-the-Air Alias (OAA) sends own name with a call
Over-the-Air Update (OTAU) changes the repeater channel data and site code over the air (Type-D trunking)
Individual, group call
Status call and polling
Short data message
Transparent data mode

COMES WITH _____

Battery (BP-290)
Belt Clip (MMB-3)
Owner's manual
Warranty: 3-Year

Analog Signaling _____

2-tone, CTCSS, DTCS tone
MDC functions
DTMF autodial

ENCRYPTION _____

Digital voice scrambler (low level encryption)
Analog voice scrambler (inversion)

Configurations

Model	Description	MSRP
F52D	136-174MHz compact, IDAS, waterproof portable with 512 channels. Purchase antenna and charger separately.	$680.00
F62D 11	400-470MHz compact IDAS waterproof portable with 512 channels. Purchase antenna and charger separately.	$680.00
F62D 21	450-512MHz compact IDAS waterproof portable with 512 channels. Purchase antenna and charger separately.	$680.00

Accessories

Model	Description	MSRP
EXTWARR611	1 year extended warranty	$40.00
EXTWARR612	2 year extended warranty	$70.00
EXTWARR613	3 year extended warranty	$110.00
Antennas		
FASC25U	400-430MHz antenna J type connector	$13.00
FASC25V	136-150MHz antenna J type connector	$13.00
FASC26US	400-450MHz stubby antenna J type connector	$14.50
FASC26VS	136-144MHz stubby antenna J type connector	$14.50
FASC27VS	142-150MHz stubby antenna J type connector	$14.50
FASC28V	142-162MHz antenna J type connector	$13.00
FASC29V	160-174MHz antenna J type connector	$13.00
FASC56VS	150-160MHz stubby antenna J type connector	$14.50
FASC57U	430-470MHz standard antenna (red ring) J type connector	$13.00
FASC57VS	160-174MHz stubby antenna J type connector	$14.50
FASC61UC	380-520MHz cut antenna J type connector	$19.00
FASC61VC	136-174MHz cut antenna for the specific frequency desired	$19.00
FASC62V	150-160MHz high gain antenna J type connector	$55.00
FASC63V	155-165MHz high gain antenna J type connector	$55.00
FASC72U	470-512MHz antenna J type connector	$13.00
FASC73US	450-470MHz stubby antenna for J type connector	$14.50

Accessories

Model	Description	MSRP
Batteries		
BP290	2010mAh li-ion battery	$105.00
BP291	Battery case 5 x AA	$50.00
BP294	3150mAh li-ion battery for the F52D/F62D/M85	$165.00
Belt Clips		
MB136	Swivel belt clip for F1000/F3400/F7010/F52D/M85 series	$15.00
MB96N	Swivel belt hanger to use with standard belt clip	$37.00
MBB3	Standard belt clip	$16.00
Cables		
OPC515L	DC power cable for single unit rapid chargers	$26.00
OPC656	DC power cable for gang charger	$12.00
Carrying Cases		
LCF1052S	Leather case with swivel belt loop and D-ring for the F52D	$50.00
NCF1052C	Nylon case for the F52D with a clip	$27.00
Chargers		
BC123SA	AC adapter for rapid chargers; 100-240V with US style plug	$25.00
BC123SE	AC adapter for rapid chargers; 100-240V with Euro style plug	$26.00
BC157S	AC adapter for gang chargers; 100-240V with US style plug	$150.00
BC157SE	AC adapter for gang chargers; 100-240V with Euro style plug	$130.00
BC214-1	Six gang charger (includes AC adapter with US plug)	$510.00
BC214-1E	Six gang charger (includes AC adapter with Euro plug)	$510.00
BC219N	Rapid charger for F52D/F62D; 100-240V with a US style plug	$70.00
BC225	Smart rapid charger; 100-240V with a US style plug	$135.00
CP23L	12V cigarette lighter cable for use with rapid chargers	$38.00
Headsets		
HS94	Earpiece headset; use with VS/OPC2004/OPC2006/OPC1392	$25.00

Accessories

Model	Description	MSRP
HS95	Headset with boom mic; use with VS/OPC2004/OPC2006/OPC1392	$215.00
HS97	Earphone with throat mic headset; use with VS/OPC2004/OPC2006/OPC1392	$42.00
VS3	Compact lapel PTT Bluetooth with earphone w/3.5mm jack	$149.00
VS5MC	VOX/PTT switch cable to use with headset (HS94/95/97)	$150.00

Microphones

Model	Description	MSRP
HM184H	14-pin loud waterproof speaker mic (no accessory jack)	$118.00
HM222	IP68 waterproof speaker microphone w/3.5mm accessory jack (14-pin connector)	$85.00
HM222H	IP68 waterproof speaker microphone w/3.5mm accessory jack (14-pin connector)	$145.00
HM233GP	GPS microphone IP67	$285.00
HM-HD7I6WP	Large waterproof, high gain speaker microphone with 3.5mm accessory jack (14-pin connector)	$120.00
IAHM600	Heavy duty Bluetooth speaker microphone with loud audio, water/dust resistant & 40+ hours of talk time (charger included)	$215.00
SP27	Acoustic tube earphone with a clip (3.5mm)	$35.00
SP29	Earhook type earphone with 3.5mm plug	$25.00
SP40	Earphone with 3.5mm plug	$30.00
SP-AT1	Single pin listen only w/QD acoustic tube (9", 3.5mm L-shape)	$31.50

Miscellaneous

Model	Description	MSRP
AD118	14-pin ACC adapter to use with Hirose plug accessories	$80.00
AD135	3.5mm earphone jack adapter that plugs into a 14-pin connector	$42.00
ISL-AK25K	Add 25kHz into the radio	$13.00

Software & Cables

Model	Description	MSRP
CSF52D	F52D/F62D programming software	$100.00
CSOTPM1	Over-the-air programming (OTAP) manager software	$520.00
OPC1862	USB programming cloning cable for radios with 14-pin connector	$189.00
OPC1870	Radio to radio cloning cable between two 14-pin connector portable radios	$125.00
OPC2338	14-pin programming cable plus transparent data transfer	$235.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	See Optional Services

Accessories

Model	Description	MSRP
RSBC225	Battery management software for the BP-283/284/BP290. Can connect up to 30 BC-225 chargers to it.	$250.00

Trunking

ISL-UGMTR	Type D trunking license for single and multi-site trunking	$125.00

Wire Kits

EH15B	Earphone with 2.5mm plug to use with HM-163MC	$30.00
HM163MC	Lapel mic with 2.5mm earphone jack	$200.00
SP26	Tube earphone with 2.5mm plug to use with HM-163MC/HM-153LS	$25.00
SP28	Earhook type earphone with 2.5mm plug to use with HM-163MC/HM-153LS	$25.00
SP32	Tube adapter for use with the EH-15B	$30.00

F52DUL/F62DUL Series
Analog & IDAS Digital Intrinsically Safe Portables

SPECS _____

Frequencies:	136-174, 380-470, 450-512MHz
Output Power:	5W
Channels:	512 w/128 zones
Display:	14 character full dot-matrix w/status icons
Mil Spec:	C, D, E, F & G
Scan:	Normal, priority & dual priority
Waterproof Rating:	IP67
Weight:	8.1oz

GENERAL FEATURES _____

Voice recording/playback (up to 8 minutes)
Programmable vibration alert
Bluetooth™ built-in
Voice announcement (channel number and zone)
Backlit LCD and buttons
20-position rotary selector and ON/OFF volume knob
Emergency key
Man down function
Lone worker function
Intrinsically Safe: meets ANSI/TIA-4950-A, ANSI/UL 121201 requirements
　　for:
　　　　Intrinsically safe: Class I, Division 1, Groups C, D
　　　　Class II, Division1 Groups E, F, G
　　　　Class III. T3C
　　　　Non-incendive: Class I, Division 2, Groups A, B, C, D

IDAS FEATURES _____

IDAS™ conventional
IDAS™ single-site and multi-site TYPE-D trunking option
AMBE+2™ vocoder
Analog/digital mixed operation
Over-the-Air Programming with manager software
Over-the-Air Alias (OAA) sends own name with a call
Over-the-Air Update (OTAU) changes the repeater channel data and site
　　code over the air (Type-D trunking)
Individual, group call
Status call and polling
Short data message
Transparent data mode

COMES WITH _____

Battery (BP-292IS)
Belt Clip (MMB-3)
Owner's manual
Warranty: 3-Year

Analog Signaling _____

2-tone, CTCSS, DTCS tone
MDC functions
DTMF autodial

ENCRYPTION _____

Digital voice scrambler (low level encryption)
Analog voice scrambler (inversion)

Configurations

Model	Description	MSRP
F52DUL	136-174MHz intrinsically safe, IDAS waterproof portable with 512 channels. Purchase antenna and charger separately.	$900.00
F62DUL 11	400-470MHz intrinsically safe, compact IDAS waterproof portable with 512 channels. Purchase antenna and charger separately.	$900.00
F62DUL 21	450-512MHz intrinsically safe, compact IDAS waterproof portable with 512 channels. Purchase antenna and charger separately.	$900.00

Accessories

Model	Description	MSRP
EXTWARR611	1 year extended warranty	$40.00
EXTWARR612	2 year extended warranty	$70.00
EXTWARR613	3 year extended warranty	$110.00
Antennas		
FASC25U	400-430MHz antenna J type connector	$13.00
FASC25V	136-150MHz antenna J type connector	$13.00
FASC26US	400-450MHz stubby antenna J type connector	$14.50
FASC26VS	136-144MHz stubby antenna J type connector	$14.50
FASC27VS	142-150MHz stubby antenna J type connector	$14.50
FASC28V	142-162MHz antenna J type connector	$13.00
FASC29V	160-174MHz antenna J type connector	$13.00
FASC56VS	150-160MHz stubby antenna J type connector	$14.50
FASC57U	430-470MHz standard antenna (red ring) J type connector	$13.00
FASC57VS	160-174MHz stubby antenna J type connector	$14.50
FASC61UC	380-520MHz cut antenna J type connector	$19.00
FASC61VC	136-174MHz cut antenna for the specific frequency desired	$19.00
FASC62V	150-160MHz high gain antenna J type connector	$55.00
FASC63V	155-165MHz high gain antenna J type connector	$55.00
FASC72U	470-512MHz antenna J type connector	$13.00
FASC73US	450-470MHz stubby antenna for J type connector	$14.50

Accessories

Model	Description	MSRP
Batteries		
BP292IS	2010mAh li-ion intrinsically safe battery	$225.00
Belt Clips		
MB136	Swivel belt clip for F1000/F3400/F7010/F52D/M85 series	$15.00
MB96N	Swivel belt hanger to use with standard belt clip	$37.00
MBB3	Standard belt clip	$16.00
Cables		
OPC515L	DC power cable for single unit rapid chargers	$26.00
Carrying Cases		
LCF1052S	Leather case with swivel belt loop and D-ring for the F52D	$50.00
NCF1052C	Nylon case for the F52D with a clip	$27.00
Chargers		
BC226	Connectable rapid charger (connect up to 6) and requires the BC228 AC adapter	$75.00
BC227	Rapid charger that goes into trickle mode at a 80% charge (US Plug)	$67.00
BC228	AC adapter for BC226	$70.00
CP23L	12V cigarette lighter cable for use with rapid chargers	$38.00
Microphones		
HM184IS	14-pin intrinsically safe approved waterproof speaker mic (no accessory jack)	$150.00
Miscellaneous		
ISL-AK25K	Add 25kHz into the radio	$13.00
Software & Cables		
CSF52D	F52D/F62D programming software	$100.00
CSOTPM1	Over-the-air programming (OTAP) manager software	$520.00
OPC1862	USB programming cloning cable for radios with 14-pin connector	$189.00
OPC1870	Radio to radio cloning cable between two 14-pin connector portable radios	$125.00

Accessories

Model	Description	MSRP
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	See Optional Services

Trunking

ISL-UGMTR	Type D trunking license for single and multi-site trunking	$125.00

F3400D – F4400D Series

VHF UHF Digital Handheld Transceiver

SPECS _____

Frequencies:	136-174, 380-470, 450-512MHz
Output Power:	5W
Channels:	32 channels w/2 zones (F3400D), 1024 channels w/128 zones (F3400DS/DT)
Channel Spacing:	12.5 & 6.25kHz
Mil Spec:	C, D, E, F, G
Weight:	6.4oz (main unit without battery pack and antenna)
Waterproof Rating:	IP68
Versions:	With full keypad
	With simple keypad
	Without LCD and front keypad

FEATURES _____

General Features
- Basic LTR® / Conventional / IDAS
- GPS built-in
- Bluetooth™ built-in
- Intuitive user interface
- High-resolution color LCD
- Digital voice recorder – record up to 500 hours with 32GB microSD card
- Man down, motion detection, stationary detection, lone worker and power OFF emergency
- AquaQuake™
- Audio equalizer*

Digital Features
- IDAS™ conventional
- IDAS single-site and multi-site Type D trunking (optional upgrade)
- IDAS single-site and multi-site Type C trunking (optional upgrade)*
- Voting mode scanning
- NXDN® Digital Air Interface
- AMBE+2™ VOCODER
- Individual & group selective call
- Strongest site search
- Over-the-Air Programming (requires software & license)*

COMES WITH _____

Battery Pack (BP-283)
Belt clip (MB-133)
Antenna & charger purchased separately
Owner's manual
Warranty: 3 years

ANALOG SIGNALING _____

2-tone, 5-tone, CTCSS and DTCS built-in
DTMF autodial and DTMF decode
MDC1200 compatible

ENCRYPTION _____

AES/DES UT-134
Over-the-Air Rekeying (requires license)*

*Future Availability

MDC 1200 Compatible   **MULTITRUNK**   **Meets MIL-STD 810**   **IDAS**

Configurations

Model	Description	MSRP
F3400D 21	136-174MHz IDAS portable with 32 channels and no display. Purchase antenna and charger separately.	$795.00
F3400DS 11	136-174MHz IDAS portable with 1024 channels and a color display. Battery (BP284) included, purchase antenna and charger separately.	$820.00
F3400DT 01	136-174MHz IDAS portable with 1024 channels, a color display, and full DTMF keypad. Purchase antenna and charger separately.	$880.00
F4400DS 11	380-470MHz IDAS portable with 1024 channels, and a color display. Purchase antenna and charger separately.	$820.00
F4400DT 01	380-470MHz IDAS portable with 1024 channels, a color display, and full DTMF keypad. Purchase antenna and charger separately.	$880.00
F4400DS 41	450-512MHz IDAS portable with 1024 channels and a color display. Purchase antenna and charger separately.	$820.00
F4400DT 31	450-512MHz IDAS portable with 1024 channels, a color display, and full DTMF keypad. Purchase antenna and charger separately.	$880.00

Accessories

Model	Description	MSRP
EXTWARR811	1 year extended warranty	$65.00
EXTWARR812	2 year extended warranty	$93.00
EXTWARR813	3 year extended warranty	$130.00
Antennas		
FAS67VC	136-174MHz cut antenna - F3400/F7010/F9011	$30.00
FAS76UC	380-520MHz cut antenna for F4400/F9021	$30.00
FAS81U	380-430MHz antenna for F4400	$17.00
FAS81US	400-450MHz stubby antenna for F4400	$17.00
FAS81V	136-150MHz antenna for F3400/F7010/F9011	$20.00
FAS81VS	136-150MHz stubby antenna for F3400	$19.00
FAS82U	430-480MHz antenna for F4400	$17.00
FAS82US	450-490MHz stubby antenna for F4400	$17.00
FAS82V	148-162MHz antenna	$20.00
FAS82VS	148-162MHz stubby antenna	$19.00
FAS83U	470-520MHz antenna for F4400	$17.00
FAS83V	160-174MHz antenna for F3400	$20.00

Accessories

Model	Description	MSRP
FAS83VS	160-174MHz stubby antenna for F3400	$19.00
Batteries		
BP284	Li-ion 7.4V 3210mAh (typical capacity), 3070mAh (minimum value)	$175.00
Belt Clips		
MB133	Alligator type belt clip	$17.00
MB136	Swivel belt clip for F1000/F3400/F7010/F52D/M85 series	$15.00
MB96N	Swivel belt hanger to use with standard belt clip	$37.00
Cables		
IAOPC1003	USB to micro-USB 3ft cable	$12.00
OPC515L	DC power cable for single unit rapid chargers	$26.00
OPC656	DC power cable for gang charger	$12.00
Carrying Cases		
LCF1035SW	Leather case with swivel belt loop and D-ring; display cutout for the F3400DS & F7010S	$50.00
LCF1036SW	Leather case with swivel belt loop and D-ring; display & full keypad cutout for the F3400DT & F7010T	$50.00
NCF1035C	Nylon case with metal clip with display cutout; F3400DS/F7010S	$27.00
NCF1036C	Nylon case with metal clip with full keypad cutout; F3400DT/F7010T	$27.00
Chargers		
BC123SA	AC adapter for rapid chargers; 100-240V with US style plug	$25.00
BC123SE	AC adapter for rapid chargers; 100-240V with Euro style plug	$26.00
BC157S	AC adapter for gang chargers; 100-240V with US style plug	$150.00
BC157SE	AC adapter for gang chargers; 100-240V with Euro style plug	$130.00
BC214-1	Six gang charger (includes AC adapter with US plug)	$510.00
BC214-1E	Six gang charger (includes AC adapter with Euro plug)	$510.00
BC219E	Rapid charger for radios with the BP283/BP28/BP290/BP294 batteries; 100-240V with a Euro style plug	$70.00
BC219N	Rapid charger for radios with the BP283/BP284; 100-240V with a US style plug	$70.00
BC225	Smart rapid charger; 100-240V with a US style plug	$135.00

Accessories

Model	Description	MSRP
CP23L	12V cigarette lighter cable for use with rapid chargers	$38.00
IABC1019	Heavy duty vehicular charger	$400.00
SS BC62	Mobile rapid charger with cigarette adapter for the F3400 & F7010 series	$235.00

Encryption & Internal Modules

Model	Description	MSRP
CSKLD2	Encryption key loader software for F3400/F5400 series	$600.00
INSTALL-MF	Install a component into an LM mobile or portable	See Optional Services
ISL-AKAES	AES activation code for F3400/F5400 series	$360.00
UT134	AES/DES encryption board; requires ISL code to activate AES	$185.00

Headsets

Model	Description	MSRP
HS94	Earpiece headset; use with VS/OPC2004/OPC2006/OPC1392	$25.00
HS95	Headset with boom mic; use with VS/OPC2004/OPC2006/OPC1392	$215.00
HS97	Earphone with throat mic headset; use with VS/OPC2004/OPC2006/OPC1392	$42.00
VS1MC	VOX/PTT case with 14-pin connector. Must use with HS94/HS95/HS97.	$84.00
VS4MC	Cable with heavy duty PTT switch with 14-pin connector. Use with HS94/HS95/HS97.	$150.00

Microphones

Model	Description	MSRP
HM184H	14-pin loud waterproof speaker mic (no accessory jack)	$118.00
HM222	IP68 waterproof speaker microphone w/3.5mm accessory jack (14-pin connector)	$85.00
HM222H	IP68 waterproof speaker microphone w/3.5mm accessory jack (14-pin connector)	$145.00
HM-HD7I6WP	Large waterproof, high gain speaker microphone with 3.5mm accessory jack (14-pin connector)	$120.00
IAHM600	Heavy duty Bluetooth speaker microphone with loud audio, water/dust resistant & 40+ hours of talk time (charger included)	$215.00
SP27	Acoustic tube earphone with a clip (3.5mm)	$35.00
SP29	Earhook type earphone with 3.5mm plug	$25.00
SP40	Earphone with 3.5mm plug	$30.00
SP-AT1	Single pin listen only w/QD acoustic tube (9", 3.5mm L-shape)	$31.50

Miscellaneous

Model	Description	MSRP
AD118	14-pin ACC adapter to use with Hirose plug accessories	$80.00

Accessories

Model	Description	MSRP
ISL-AK25K	Add 25kHz into the radio	$13.00
ISL-AKSTM	Add front panel programming/tactical group functions	$195.00
ISL-CHEX	Memory channel expansion (4000 CH)	$420.00
MSD CARD	32GB micro SD card	$30.00

Software & Cables

Model	Description	MSRP
CSF3400D	Programming software for the F3400D/F5400D series	$80.00
CSOTPM1	Over-the-air programming (OTAP) manager software	$520.00
OPC1870	Radio to radio cloning cable between two 14-pin connector portable radios	$125.00
OPC2338	14-pin programming cable plus transparent data transfer	$235.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	See Optional Services

Trunking

Model	Description	MSRP
ISL-UGMTR	Type D trunking license for single and multi-site trunking	$125.00

F70/F80 – F70D/F80D Series

High End Analog, P25 Conventional, I.S. and FIPS Portables

SPECS _____

Frequencies:	136-174, 380-450, 400-470, 450-512MHz
Output Power:	4W (UHF); 5W (VHF)
Channels:	256 with 32 zones
Channel Spacing:	12.5kHz
LCD Display:	Full dot matrix, switchable 1 line 12 character or 2 line 24 character
Programmable Keys:	8
Mil Spec:	810 C, D, E
Scan:	Normal, priority & dual priority
Waterproof Rating:	IPX7 submersible
Weight:	14.1oz (with BP-253) 15.9oz (with BP-254)
Intrinsically Safe:	Yes on specific versions
Versions:	Analog only (upgradeable to P25) P25 ready (D versions) P25 ready with FIPS

FEATURES _____

Tactical group function
Mixed mode operation
Radio stun/kill function (analog only) and Power on password
Built-in audio compander (analog only)
Unit Down: UT-124
2 Step power saver
Busy, repeater lockout functions
Selective call / individual call using
Unit ID & talkgroup ID

SIGNALING _____

CTCSS / DTCS encode & decode
2-Tone, 5-Tone

- Up to 10 2-tone codes can be decoded on a channel
- Up to 8 5-tone codes can be decoded on a channel
- Programmable items for codes: Beep sound, Answer back, Scan, Bell icon, Radio stun/kill

DTMF
MDC1200

- PTT I/Caller ID, selective call, radio check, call alert
- Emergency, emergency mic monitoring
- Stun/revive, call log, status/message
- 500 aliases

COMES WITH _____

Antenna (FA-SC55V or FA-SC57U)
Battery
   P25/analog (BP-253)
   FIPS versions (BP-254)
Belt Clip (MB-94)
Owner's manual
Warranty: 2-Year (F70/F80)
       3-Year (F70D/80D)

ENCRYPTION _____

Analog Only:
Simple Inversion: UT-109 32 Codes
Rolling Code: UT-110 1020 Codes

Digital Only:
AES & DES upgrade options

Configurations

Model	Description	MSRP
F80DS 31	380-450MHz P25 radio with FIPS AES installed, no DTMF keypad	$1,065.00

Accessories

Model	Description	MSRP
EX2785J03	AES activation upgrade	$656.00
EXTWARR611	1 year extended warranty	$40.00
EXTWARR612	2 year extended warranty	$70.00
EXTWARR613	3 year extended warranty	$110.00
EXTWARR811	1 year extended warranty	$65.00
EXTWARR812	2 year extended warranty	$93.00
EXTWARR813	3 year extended warranty	$130.00
Antennas		
AD98FSC	Antenna connector adapter for "J" to "BNC" conversion	$22.00
FASC25U	400-430MHz antenna J type connector	$13.00
FASC25V	136-150MHz antenna J type connector	$13.00
FASC55V	146-174MHz standard antenna J type connector	$13.00
FASC56VS	150-160MHz stubby antenna J type connector	$14.50
FASC57U	430-470MHz standard antenna (red ring) J type connector	$13.00
FASC57VS	160-174MHz stubby antenna J type connector	$14.50
FASC61UC	380-520MHz cut antenna J type connector	$19.00
FASC61VC	136-174MHz cut antenna for the specific frequency desired	$19.00
FASC62V	150-160MHz high gain antenna J type connector	$55.00
FASC63V	155-165MHz high gain antenna J type connector	$55.00
FASC72U	470-512MHz antenna J type connector	$13.00
FASC73US	450-470MHz stubby antenna for J type connector	$14.50
Batteries		
BP237	Battery case that holds 6 AA alkaline batteries	$39.00
BP253	Li-ion 7.2V 1650mAh (typical capacity), 1570mAh (minimum value)	$110.00

Accessories

Model	Description	MSRP
BP254	Li-ion 7.2V 3040mAh (typical capacity), 2900mAh (minimum value) for P25 portables	$155.00

Belt Clips

Model	Description	MSRP
AW STUD/SWIVEL KIT	Metal stud that slides on like a belt clip and it's attached to a strong metal swivel belt clip	$21.00
MB93	Swivel belt clip	$11.00
MB94	Alligator belt clip	$10.50
MB94R	Alligator belt clip with long clip that angles the antenna/top of radio off the body	$18.00
MB96N	Swivel belt hanger to use with standard belt clip	$37.00

Cables

Model	Description	MSRP
OPC515L	DC power cable for single unit rapid chargers	$26.00
OPC656	DC power cable for gang charger	$12.00

Carrying Cases

Model	Description	MSRP
AW F70 AREA 51	Water repellant case with a swivel belt clip for the F70/80	$35.00
LCF70 CLIP	Leather case with a metal clip and DTMF keypad cutout for the F70/80 series radios.	$45.00
LCF70S LOOP	Leather case with a belt loop for the F70/80 series radios. Case is not IS approved with any of our IS radios.	$38.00

Chargers

Model	Description	MSRP
AD110	Adapter cup to install in the BC119N or BC121N for the BP253 or BP254 batteries	$28.00
BC119NS 11	Rapid charger with AD110 installed for F70/80/9011/9021 radios; 100-240V with US style plug	$95.00
BC121NS	6-Unit Charger Kit BC121N + AD110 x 6. Requires BC157S AC adapter.	$470.00
BC157S	AC adapter for gang chargers; 100-240V with US style plug	$150.00
BC157SE	AC adapter for gang chargers; 100-240V with Euro style plug	$130.00
CP23L	12V cigarette lighter cable for use with rapid chargers	$38.00

Encryption & Internal Modules

Model	Description	MSRP
INSTALL-MF	Install a component into an LM mobile or portable	See Optional Services
KA KVL125	KVL unit powered by 9-volt battery	$3,185.00
UT109 02	Non-rolling voice scrambler. Up to 32 codes available. Not compatible with radios using the UT-110.	$105.00
UT110 02	Rolling voice scrambler. Up to 1020 (255 codes x 4 groups) codes available.	$173.00

Accessories

Model	Description	MSRP
UT120 01	P25 upgrade board for F70/80 handhelds	$541.00
UT124 01	Man down unit	$90.00

Headsets

HS94	Earpiece headset; use with VS/OPC2004/OPC2006/OPC1392	$25.00
HS95	Headset with boom mic; use with VS/OPC2004/OPC2006/OPC1392	$215.00
HS97	Earphone with throat mic headset; use with VS/OPC2004/OPC2006/OPC1392	$42.00
OTTO V410514	Lightweight single speaker w/in-line ptt, padded headband (9-pin connector)	$155.00
VS1SC	VOX/PTT case with 9-pin connector. Must use with HS94/HS95/HS97.	$68.00

Manuals

94415196	F70/F80 USB Drive service manual	$50.22

Microphones

HM138	Waterproof 9-pin marine style speaker mic (IS approved for F50/F60/M88/F70/F80)	$130.00
HM169	Waterproof speaker mic (9-pin)	$105.00
IMPACT HD3-I5	Heavy duty use speaker mic with 3.5mm accessory jack (9-pin)	$76.00

Software & Cables

CSF70/F1700	Cloning Softwre F70/F80/F1721/F1821/F2721/F282	$72.00
OPC1533	Radio to radio cloning cable between F1721/2721/D series mobiles & F70/80/D portable radios	$88.00
OPC1536	Radio to radio cloning cable between F70/80/D portable radios	$123.00
OPC966U	USB programming cloning cable for radios with 9-pin connector	$168.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	See Optional Services

Wire Kits

OTTO V110822	2-Wire palm mic kit (earphone cable and mic/ptt cable) with 9-pin connector	$125.00

F9011 – F9021 Series
P25 Digital & Analog Portables

SPECS _____

Frequencies:	136-174, 380-470, 450-520MHz
Output Power:	6W (VHF); 5W (UHF)
Channels:	512 / 128 zones
Channel Spacing:	15 / 30kHz (analog) 12.5kHz (digital)
Display:	Dot matrix with backlighting
Programmable Keys:	12 buttons, 1 toggle, 1 3-position switch
Mil Spec:	810 C, D, E
Scan:	Normal, priority & dual priority
Waterproof Rating:	IP57 submersible
Weight:	1.17lb (with BP-254)
Versions:	No display, no keypad
	Display, no DTMF keypad
	Display, full DTMF keypad

FEATURES _____

General Features:
- 100 individual ID and 250 talkgroup ID memories
- 4-way navigational cross keypad (S & T versions)
- Encryption toggle
- 3-position zone select switch
- Tactical group function
- Scan settings – dual priority, mode dependent, talk back and more
- Man down option
- 14 pin accessory connector with programmable key assign
- Built-in audio compander (analog only)

P25 Digital Features:
- P25 digital conventional
- P25 digital trunking option
- DVSI's AMBE+2™ vocoder
- Digital/analog mixed mode operation
- P25 OTAR option

Compliant Standards:
- TIA/EIA TSB 102. CAAB compliant
- NTIA VHF specification compliant
- FIPS 140-2 (level 1) certified AES encryption

COMES WITH _____

Antenna
- 136-174: FA-S65V
- 380-470: FA-S30U
- 450-520: FA-S75U

Battery (BP-254)
Belt Clip (MB-115)
Owner's manual
Warranty: 3 years

ENCRYPTION _____

DES: UT-128
AES/DES: UT-125
AES FIPS: UT-125 FIPS

SIGNALING _____

CTCSS / DCS encode & decode (analog only)
2 Tone endocer and decoder (analog only)
DTMF autiodial (analog only)
MDC1200 (analog only)

Configurations

Model	Description	MSRP
F9011B 01	136-174MHz P25 conventional portable, 6W, 512 CH, basic model, no display or keypad	$1,265.00
F9011B 21	136-174MHz P25 Conventional portable, 6W, 512 CH, basic model, no display or keypad	$1,330.00
F9011S 25	136-174MHz P25 Conventional portable, 6W, 512 CH, display, simple keypad	$1,530.00
F9011T 30	136-174MHz P25 Conventional portable, 6W, 512 CH, display, full DTMF keypad	$1,630.00
F9021B 91	380-470MHz P25 Conventional portable, 5W, 512 CH, basic model, no display or keypad	$1,330.00
F9021S 95	380-470MHz P25 Conventional portable, 5W, 512 CH, display, simple keypad	$1,530.00
F9021B 82	450-512MHz P25 Conventional portable, 5W, 512 CH, basic model, no display or keypad	$1,330.00
F9021S 85	450-512MHz P25 Conventional, 5W, 512 CH, display, simple keypad	$1,530.00
F9021T 30	450-512MHz P25 Trunking portable, 5W, 512 CH, display, full DTMF keypad	$1,550.00

Accessories

Model	Description	MSRP
ENGRAVE	Engrave radio	See Optional Services
EXTWARR811	1 year extended warranty	$65.00
EXTWARR812	2 year extended warranty	$93.00
EXTWARR813	3 year extended warranty	$130.00
Antennas		
FAS58U	400-470MHz antenna - standard on the F9021	$17.00
FAS65V	148-160 MHz flexible antenna - standard on F9011	$17.00
FAS67VC	136-174MHz cut antenna - F3400/F7010/F9011	$30.00
FAS81V	136-150MHz antenna for F3400/F7010/F9011	$20.00
GAL 06026	VHF Wideband 136-174MHz Helical Antenna.	$100.00
Batteries		
BP237	Battery case that holds 6 AA alkaline batteries	$39.00
BP254	Li-ion 7.2V 3040mAh (typical capacity), 2900mAh (minimum value) for P25 portables	$155.00
Belt Clips		
AW STUD/SWIVEL KIT	Metal stud that slides on like a belt clip and it's attached to a strong metal swivel belt clip	$21.00
MB115	Standard belt clip for F9011 series	$10.00

Accessories

Model	Description	MSRP
Cables		
OPC515L	DC power cable for single unit rapid chargers	$26.00
OPC656	DC power cable for gang charger	$12.00
Carrying Cases		
LCF9011S SWIVEL	Leather carrying case with a swivel clip for the F9011/9021 radios without a full keypad	$50.00
LCF9011T SWIVEL	Leather carrying case with a swivel clip for the F9011T/9021T radios with a full keypad cutout	$50.00
NCF9011T CLIP	Nylon carrying case with a clip for the F9011T/9021T radios with a full keypad	$30.00
Chargers		
AD110	Adapter cup to install in the BC119N or BC121N for the BP253 or BP254 batteries	$28.00
BC119NS 11	Rapid charger with AD110 installed for F70/80/9011/9021 radios; 100-240V with US style plug	$95.00
BC121NS	6-Unit Charger Kit BC121N + AD110 x 6. Requires BC157S AC adapter.	$470.00
BC157S	AC adapter for gang chargers; 100-240V with US style plug	$150.00
BC157SE	AC adapter for gang chargers; 100-240V with Euro style plug	$130.00
CP23L	12V cigarette lighter cable for use with rapid chargers	$38.00
Encryption & Internal Modules		
INSTALL-MF	Install a component into an LM mobile or portable	See Optional Services
KA KVL125	KVL unit powered by 9-volt battery	$3,185.00
OPC-IAKVL14	Interface Cable with 14 Pin Connector between P25 portable & KA KVL125	$230.00
UT125 01	AES/DES encryption board with OTAR compliance for F9011/F9511 series	$695.00
UT125 FIPS	FIPS 140-2 AES encryption board with OTAR compliance for F9011/F9511 series	$789.00
UT128	DES encryption for F9011/F9511 radios	$420.00
Headsets		
VS1MC	VOX/PTT case with 14-pin connector. Must use with HS94/HS95/HS97.	$84.00
VS4MC	Cable with heavy duty PTT switch with 14-pin connector. Use with HS94/HS95/HS97.	$150.00
Microphones		
HM184H	14-pin loud waterproof speaker mic (no accessory jack)	$118.00

Accessories

Model	Description	MSRP
HM-HD7I6WP	Large waterproof, high gain speaker microphone with 3.5mm accessory jack (14-pin connector)	$120.00
IMPACT HD3-I6	Lightweight heavy duty use speaker mic with 3.5mm accessory jack (14-pin connector)	$98.00
SP-AT1	Single pin listen only w/QD acoustic tube (9", 3.5mm L-shape)	$31.50

Miscellaneous

Model	Description	MSRP
AD118	14-pin ACC adapter to use with Hirose plug accessories	$80.00

Software & Cables

Model	Description	MSRP
CSF9010/F9510	F9011/9511 programming software	$72.00
OPC1534	Key Loader cable for P25 radio to KVL3000/4000. For portables: requires OPC-1871, RJ45 female to RJ45 female & 8920001690. For mobiles: requires RJ45 female to RJ45 female & 8920001690.	$225.00
OPC1862	USB programming cloning cable for radios with 14-pin connector	$189.00
OPC1870	Radio to radio cloning cable between two 14-pin connector portable radios	$125.00
OPC1871	Radio to radio cloning cable between 14-pin connector portable & mobile radio; used in conjunction with the OPC1534 for encryption key loading on the F7010 portable series	$110.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	See Optional Services

Trunking

Model	Description	MSRP
ISL-3	P25 trunking upgrade for the F9011/9511 series radios	$500.00

F7010 – F7020 – F7040 Series
P25 Conventional & Analog Portables

SPECS _____

Frequencies:	136-174, 380-470, 450-512MHz
Output Power:	5W
Channels:	1024 w/128 zones
Display:	High resolution color LCD
Mil Spec:	C, D, E, F & G
Waterproof Rating:	IP68
Weight:	12.5oz

FEATURES _____

General Features:
- GPS built-in
- Bluetooth™ built-in
- Intuitive user interface
- Digital voice recorder – record up to 500 hours with 32GB microSD card
- Man down, motion detection, stationary detection, lone worker, and power OFF emergency
- AquaQuake™
- Audio equalizer
- Day and night mode display settings

P25 Digital Features:
- P25 conventional
- P25 Phase 1 trunking option
- P25 Phase 2 trunking option
- P25 vote scan option
- Analog/digital mixed operation
- Individual, group call
- Unit ID and talkgroup display on receive
- Status call and polling
- Short data message (up to 100 characters)
- Page call
- Phone number list
- Call log

COMES WITH _____

Battery (BP-284)
Belt Clip (MB-133)
Owner's manual
Warranty: 3 years

ENCRYPTION _____

AES/DES: UT-134 + license key
FIPS AES: UT-125 FIPS-2 + license key

SIGNALING _____

2-tone, CTCSS, DTCS tone
MDC functions
DTMF autodial

Configurations

Model	Description	MSRP
F7010S	136-174MHz P25 conventional portable without a full keypad. Purchase antenna and charger separately.	$1,580.00
F7010T	136-174MHz P25 conventional portable with full DTMF keypad. Purchase antenna and charger separately.	$1,650.00
F7020S 11	380-470MHz P25 conventional portable without a full keypad. Purchase antenna and charger separately.	$1,580.00
F7020T 21	380-470MHz P25 conventional portable with full DTMF keypad. Purchase antenna and charger separately.	$1,650.00
F7020S 31	450-512MHz P25 conventional portable without a full keypad. Purchase antenna and charger separately.	$1,580.00
F7020T 41	450-512MHz P25 conventional portable with full DTMF keypad. Purchase antenna and charger separately.	$1,650.00
F7040S	7/800MHz P25 conventional portable with partial keypad.	$1,600.00
F7040T	7/800MHz P25 conventional portable with full DTMF keypad.	$1,670.00

Accessories

Model	Description	MSRP
EXTWARR811	1 year extended warranty	$65.00
EXTWARR812	2 year extended warranty	$93.00
EXTWARR813	3 year extended warranty	$130.00
ISL-P25W	Enable 25kHz in the F7010/F7510 radios	$5.00
Antennas		
FAS100U	7/800MHz antenna	$20.00
FAS67VC	136-174MHz cut antenna - F3400/F7010/F9011	$30.00
FAS76UC	380-520MHz cut antenna for F4400/F9021	$30.00
FAS81U	380-430MHz antenna for F4400	$17.00
FAS81US	400-450MHz stubby antenna for F4400	$17.00
FAS81V	136-150MHz antenna for F3400/F7010/F9011	$20.00
FAS81VS	136-150MHz stubby antenna for F3400	$19.00
FAS82U	430-480MHz antenna for F4400	$17.00
FAS82US	450-490MHz stubby antenna for F4400	$17.00
FAS82V	148-162MHz antenna	$20.00

Accessories

Model	Description	MSRP
FAS82VS	148-162MHz stubby antenna	$19.00
FAS83U	470-520MHz antenna for F4400	$17.00
FAS83V	160-174MHz antenna for F3400	$20.00
FAS83VS	160-174MHz stubby antenna for F3400	$19.00
GAL 06026	VHF Wideband 136-174MHz Helical Antenna.	$100.00

Batteries

BP284	Li-ion 7.4V 3210mAh (typical capacity), 3070mAh (minimum value)	$175.00

Belt Clips

MB133	Alligator type belt clip	$17.00
MB136	Swivel belt clip for F1000/F3400/F7010/F52D/M85 series	$15.00
MB96N	Swivel belt hanger to use with standard belt clip	$37.00

Cables

IAOPC1003	USB to micro-USB 3ft cable	$12.00
OPC515L	DC power cable for single unit rapid chargers	$26.00
OPC656	DC power cable for gang charger	$12.00

Carrying Cases

LCF1035SW	Leather case with swivel belt loop and D-ring; display cutout for the F3400DS & F7010S	$50.00
LCF1036SW	Leather case with swivel belt loop and D-ring; display & full keypad cutout for the F3400DT & F7010T	$50.00
NCF1035C	Nylon case with metal clip with display cutout; F3400DS/F7010S	$27.00
NCF1036C	Nylon case with metal clip with full keypad cutout; F3400DT/F7010T	$27.00

Chargers

BC123SA	AC adapter for rapid chargers; 100-240V with US style plug	$25.00
BC123SE	AC adapter for rapid chargers; 100-240V with Euro style plug	$26.00
BC157S	AC adapter for gang chargers; 100-240V with US style plug	$150.00
BC157SE	AC adapter for gang chargers; 100-240V with Euro style plug	$130.00
BC214-1	Six gang charger (includes AC adapter with US plug)	$510.00

Accessories

Model	Description	MSRP
BC214-1E	Six gang charger (includes AC adapter with Euro plug)	$510.00
BC219E	Rapid charger for radios with the BP283/BP28/BP290/BP294 batteries; 100-240V with a Euro style plug	$70.00
BC219N	Rapid charger for radios with the BP283/BP284; 100-240V with a US style plug	$70.00
BC225	Smart rapid charger; 100-240V with a US style plug	$135.00
CP23L	12V cigarette lighter cable for use with rapid chargers	$38.00
IABC1019	Heavy duty vehicular charger	$400.00
SS BC62	Mobile rapid charger with cigarette adapter for the F3400 & F7010 series	$235.00

Encryption & Internal Modules

Model	Description	MSRP
INSTALL-MF	Install a component into an LM mobile or portable	See Optional Services
ISL-P25AES	AES activation key enables AES in radio (requires UT134 or UT125 FIPS-2)	$360.00
KA KVL125	KVL unit powered by 9-volt battery	$3,185.00
OPC-IAKVL14	Interface Cable with 14 Pin Connector between P25 portable & KA KVL125	$230.00
UT125 FIPS-2	FIPS 140-2 encryption board; requires ISL-P25AES license key to activate AES	$830.00
UT134	AES/DES encryption board; requires ISL code to activate AES	$185.00

Headsets

Model	Description	MSRP
HS94	Earpiece headset; use with VS/OPC2004/OPC2006/OPC1392	$25.00
HS95	Headset with boom mic; use with VS/OPC2004/OPC2006/OPC1392	$215.00
HS97	Earphone with throat mic headset; use with VS/OPC2004/OPC2006/OPC1392	$42.00
VS1MC	VOX/PTT case with 14-pin connector. Must use with HS94/HS95/HS97.	$84.00
VS3	Compact lapel PTT Bluetooth with earphone w/3.5mm jack	$149.00
VS4MC	Cable with heavy duty PTT switch with 14-pin connector. Use with HS94/HS95/HS97.	$150.00

Licenses

Model	Description	MSRP
ISL-P25DS	P25 packet data service (GPS/text) license	$175.00
ISL-P25FP	Front panel programming	$330.00
ISL-P25VS	P25 conventional voting scan license	$120.00

Microphones

Model	Description	MSRP
HM184H	14-pin loud waterproof speaker mic (no accessory jack)	$118.00

Accessories

Model	Description	MSRP
HM222	IP68 waterproof speaker microphone w/3.5mm accessory jack (14-pin connector)	$85.00
HM222H	IP68 waterproof speaker microphone w/3.5mm accessory jack (14-pin connector)	$145.00
HM-HD7I6WP	Large waterproof, high gain speaker microphone with 3.5mm accessory jack (14-pin connector)	$120.00
IAHM600	Heavy duty Bluetooth speaker microphone with loud audio, water/dust resistant & 40+ hours of talk time (charger included)	$215.00
SP27	Acoustic tube earphone with a clip (3.5mm)	$35.00
SP29	Earhook type earphone with 3.5mm plug	$25.00
SP40	Earphone with 3.5mm plug	$30.00
SP-AT1	Single pin listen only w/QD acoustic tube (9", 3.5mm L-shape)	$31.50

Miscellaneous

Model	Description	MSRP
AD118	14-pin ACC adapter to use with Hirose plug accessories	$80.00

Software & Cables

Model	Description	MSRP
CSF7510	Programming software for the F7010 & F7510 P25 radios	$100.00
CSOTPM2	P25 over-the-air programming (OTAP) manager software; support only conventional mode	$800.00
IASKF7P	System Owner Master Key (SOMK); USB Dongle and CS-F7500ASK "P25 Advanced System Key (ASK) Manager Application" Note: Available only to P25 trunking system owners and requires the completion of the "P25 System Key Request Form" by the P25 Trunking System Owner	$500.00
IASKF7S	Accessory Advanced System Key (AASK) USB dongle required for programming P25 trunking parameters. Note: shipped unprogrammed; requires P25 trunking system owner to program	$225.00
OPC1534	Key Loader cable for P25 radio to KVL3000/4000. For portables: requires OPC-1871, RJ45 female to RJ45 female & 8920001690. For mobiles: requires RJ45 female to RJ45 female & 8920001690.	$225.00
OPC1870	Radio to radio cloning cable between two 14-pin connector portable radios	$125.00
OPC1871	Radio to radio cloning cable between 14-pin connector portable & mobile radio; used in conjunction with the OPC1534 for encryption key loading on the F7010 portable series	$110.00
OPC2338	14-pin programming cable plus transparent data transfer	$235.00
OPC2362	Handheld to mobile zone copy cable (14-pin to 10-pin DIM)	$100.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	See Optional Services
RSBC225	Battery management software for the BP-283/284/BP290. Can connect up to 30 BC-225 chargers to it.	$250.00

Accessories

Model	Description	MSRP
Trunking		
ISL-P25P2	P25 Phase 2 trunking license (Phase 1 license required)	$420.00
ISL-P25TR	P25 Phase 1 trunking license	$500.00

Mobiles

F5011 - F6011 Series

Basic Analog Mobiles

SPECS _____

Frequencies:	136-174, 400-470, 450-512MHz
Output Power:	50W (VHF), 45W (UHF)
Channels:	8 with 2 zones
Channel Spacing:	12.5kHz
Programmable Keys:	4
Mil Spec:	810 C, D, E
Scan:	Normal, priority & dual priority

FEATURES _____

Priority scan function allows you to monitor one or two priority channels while scanning other non-priority channels
Tx channel and talk back functions allow you to make a quick response while scanning
4W speaker
Microphone hanger action programmable
Time out timer, lock-out penalty timer
Talk around function
Power-on password
Nuisance delete function

SIGNALING _____

CTCSS / DCS Encode/Decode
DTMF Encode
2/5 Tone
- Up to 10 2-tone codes can be decoded on a channel
- Up to 8 5-tone codes can be decoded on a channel

MDC1200
- PTT ID(Tx)
- Emergency call (Tx)
- Radio check (Rx)
- Stun/revive (Rx)

DTMF decode & autodial: UT-108R

COMES WITH _____

Microphone (HM-152)
Mounting bracket (F121 MMB)
Power cable (OPC-1132)
Owner's manual
Warranty: 2 years

ENCRYPTION _____

Simple Inversion: UT-109R 32 Codes
Rolling Code: UT-110R 1020 Codes

Configurations

Model	Description	MSRP
F5011 51	136-174MHz mobile	$346.00
F6011 51	400-470MHz mobile	$346.00
F6011 52	450-512MHz mobile	$346.00

Accessories

Model	Description	MSRP
ENGRAVE	Engrave radio	See Optional Services
EXTWARR211	1 year extended warranty for a total 3 years	$25.00
EXTWARR212	2 year extended warranty for a total 4 years	$44.00
EXTWARR213	3 year extended warranty for a total 5 years	$62.00
Antennas		
ANTENNA 1	118-940MHz 1/4 wave antenna, unity gain, field tunable	$18.00
ANTENNA 2	144-174MHz 3dB gain mountable antenna, CHR, 59" high	$43.00
ANTENNA 3	450-470MHz 5dB gain mountable antenna, CHR, 40" high	$55.00
ANTENNA 4	152-162MHz, unity gain antenna, NMO compatible, 21.6". Factory tuned to 157MHz	$20.00
Cables		
OPC1132	DC power cable (9.8ft) with 2-pin T connector.	$45.00
OPC1939	D-Sub 15-pin ACC cable. Connects with a PC, external speaker, external channel control, ignition sense line or vehicle horn	$95.00
OPC2078	D-Sub 25-pin ACC cable. Connects with a PC, external speaker, external channel control, ignition sense line or vehicle horn	$120.00
OPC440	Microphone extension cable (RJ-45 M/F) (16.4ft)	$100.00
OPC647	Microphone extension cable 8.2ft	$75.00
Encryption & Internal Modules		
INSTALL-MF	Install a component into an LM mobile or portable	See Optional Services
External Speakers		
SP30	20W large external speaker	$110.00
SP35	5W external speaker with 3.5mm speaker jack and 2m cable	$60.00

Accessories

Model	Description	MSRP
Manuals		
94415596	F5011 USB Drive service manual	$33.33
94415697	F6011 USB Drive service manual	$33.33
Microphones		
HM148G	Self grounding microphone for mobile radios	$67.00
HM148T	DMTF mobile microphone	$110.00
HM152	Standard microphone for low/mid range mobile radios	$44.00
HM152T	DTMF modular microphone for LM mobile radios	$90.00
SM26	Desktop microphone with monitor switch for mobile radios	$90.00
Mounting Hardware		
F121 MMB	Mounting bracket F121/F221 F5011/F5021 series	$11.42
MOUNT 1	NMO Permanent Mount, 17ft RG58 cable, PL259 connector	$23.00
MOUNT 2	Trunk Lid Mount/HD, BRKT, 45 DEG CBL, 58A/U PL259	$38.00
MOUNT 3	Black Magnetic Mount - 3 1/4" diameter, 12ft RG58 cable w/PL259 connector	$45.00
Power Supplies		
CONTROL STATION ASSEMBLE	Install mobile into power supply and cabinet to make control station (Courtesy no charge)	$0.00
ICT CS120-20AG/IC04	110V power supply and cabinet for control station use for F5011/5021/F5121/F5220	$250.00
ICT IC04 220V	220V power supply and cabinet for control station use for F5011/5021	$275.00
Software & Cables		
CSF3021/F5021/F5011	F3021/5021/5011 series programming software	$72.00
OPC1122U	PC to mobile radio programming cloning cable with USB connector.	$99.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	See Optional Services

Icom America Inc.
U.S. Land Mobile Retail: Product Catalog

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3003.04.21

F5021 - F6021 Series
Advanced Analog Mobiles

SPECS _____

Frequencies:	136-174, 400-470, 450-512MHz
Output Power:	50W (VHF), 45W (UHF)
Channels:	128 channels, 8 zones
Channel Spacing:	12.5 kHz
Display:	LCD with 8 character alphanumeric
Programmable Keys:	6
Mil Spec:	810 C, D, E, F
Scan:	Normal & priority

FEATURES _____

External memory channel control w/ optional ACC cable
Tx channel setting & talk back function
Radio kill, stun, revive
Embedded ESN
Mode dependent scan
Lone worker function
Power-on password
Nuisance delete function

SIGNALING _____

CTCSS / DCS Encode/Decode
2/5 Tone Encode/Decode
- Up to 10 2-tone codes can be decoded on a channel
- Up to 8 5-tone codes can be decoded on a channel
- Programmable items for codes: Beep sound, Answer back, Scan, Bell icon, Radio stun/kill

MDC1200
- PTT ID (Tx/Rx)
- Radio stun (Rx)
- Emergency TX/RX
- Radio check (Rx)
- Radio revive (Rx)
- 5 alias table

DTMF Encode

COMES WITH _____

Microphone (HM-152)
Mounting bracket
Power cable (OPC-1132)
Owner's manual
Warranty: 2 years

ENCRYPTION _____

Simple Inversion: UT-109R 32 Codes
Rolling Code: UT-110R 1020 Codes

Configurations

Model	Description	MSRP
F5021 51	136-174MHz mobile	$395.00
F6021 51	400-470MHz mobile	$395.00
F6021 52	450-512MHz mobile	$395.00

Accessories

Model	Description	MSRP
ENGRAVE	Engrave radio	See Optional Services
EXTWARR211	1 year extended warranty for a total 3 years	$25.00
EXTWARR212	2 year extended warranty for a total 4 years	$44.00
EXTWARR213	3 year extended warranty for a total 5 years	$62.00

Antennas

Model	Description	MSRP
ANTENNA 1	118-940MHz 1/4 wave antenna, unity gain, field tunable	$18.00
ANTENNA 2	144-174MHz 3dB gain mountable antenna, CHR, 59" high	$43.00
ANTENNA 3	450-470MHz 5dB gain mountable antenna, CHR, 40" high	$55.00
ANTENNA 4	152-162MHz, unity gain antenna, NMO compatible, 21.6". Factory tuned to 157MHz	$20.00

Cables

Model	Description	MSRP
OPC1132	DC power cable (9.8ft) with 2-pin T connector.	$45.00
OPC1939	D-Sub 15-pin ACC cable. Connects with a PC, external speaker, external channel control, ignition sense line or vehicle horn	$95.00
OPC2078	D-Sub 25-pin ACC cable. Connects with a PC, external speaker, external channel control, ignition sense line or vehicle horn	$120.00
OPC440	Microphone extension cable (RJ-45 M/F) (16.4ft)	$100.00
OPC647	Microphone extension cable 8.2ft	$75.00

Encryption & Internal Modules

Model	Description	MSRP
INSTALL-MF	Install a component into an LM mobile or portable	See Optional Services

External Speakers

Model	Description	MSRP
SP30	20W large external speaker	$110.00
SP35	5W external speaker with 3.5mm speaker jack and 2m cable	$60.00

Accessories

Model	Description	MSRP
Manuals		
94415499	F5021 USB Drive service manual	$33.33
94415641	F6021 USB Drive service manual	$33.74
Microphones		
HM148G	Self grounding microphone for mobile radios	$67.00
HM148T	DMTF mobile microphone	$110.00
HM152	Standard microphone for low/mid range mobile radios	$44.00
HM152T	DTMF modular microphone for LM mobile radios	$90.00
SM26	Desktop microphone with monitor switch for mobile radios	$90.00
Mounting Hardware		
F121 MMB	Mounting bracket F121/F221 F5011/F5021 series	$11.42
MOUNT 1	NMO Permanent Mount, 17ft RG58 cable, PL259 connector	$23.00
MOUNT 2	Trunk Lid Mount/HD, BRKT, 45 DEG CBL, 58A/U PL259	$38.00
MOUNT 3	Black Magnetic Mount - 3 1/4" diameter, 12ft RG58 cable w/PL259 connector	$45.00
Power Supplies		
CONTROL STATION ASSEMBLE	Install mobile into power supply and cabinet to make control station (Courtesy no charge)	$0.00
ICT CS120-20AG/IC04	110V power supply and cabinet for control station use for F5011/5021/F5121/F5220	$250.00
ICT IC04 220V	220V power supply and cabinet for control station use for F5011/5021	$275.00
Software & Cables		
CSF3021/F5021/F5011	F3021/5021/5011 series programming software	$72.00
OPC1122U	PC to mobile radio programming cloning cable with USB connector.	$99.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	See Optional Services

F5121D - F6121D Series

IDAS™ Mobiles

SPECS _____

Frequencies:	136-174, 400-470, 450-512MHz
Output Power:	50W (VHF), 45W (UHF)
Channels:	128 with 8 zones
Channel Spacing:	12.5kHz; 6.25kHz Digital
LCD Display:	8 Character alphanumeric LCD with backlit or night time operation
Programmable Keys:	7
Mil Spec:	810 C, D, E, F
Scan:	Normal, priority & dual priority

FEATURES _____

General Features:
- Lone worker function
- Power-on password function
- Time out timer
- Mic hanger action programmable

Digital Features:
- IDAS™ conventional
- IDAS™ single-site trunking
- Digital / Analog mixed mode operation
- NXDN® Digital Air Interface
- AMBE+2™ VOCODER
- 64 Radio Access Numbers (RAN)
- GPS receiver connection w/ optional OPC-2078 ACC cable
- Programmable features:
  - PTT ID
  - RAN (radio access number)
  - Individual/talkgroup list (max 500)
  - SDM (short data message)
  - Remote monitor (Rx)
  - Digital voice scrambler
  - Call alert, stun/kill/revive (Rx), Emergency
  - Status, Radio check (Rx)

COMES WITH _____

Microphone (HM-152)
Mounting bracket kit
DC Power cable (OPC-1132)
Owner's manual
Warranty: 2 years

SIGNALING _____

2/5 Tone in analog mode
CTCSS/DTCS encoder/decoder (analog only)
DTMF Encode
DTMF Decode: UT-108R
MDC1200
- PTT ID
- Emergency
- Radio check (Rx)
- Stun/revive (Rx)
- 500 alias table

Configurations

Model	Description	MSRP
F5121D	136-174MHz IDAS mobile	$635.00
F6121D 67	400-470MHz IDAS mobile	$635.00
F6121D 68	450-512MHz IDAS mobile	$635.00

Accessories

Model	Description	MSRP
ENGRAVE	Engrave radio	See Optional Services
EXTWARR211	1 year extended warranty for a total 3 years	$25.00
EXTWARR212	2 year extended warranty for a total 4 years	$44.00
EXTWARR213	3 year extended warranty for a total 5 years	$62.00
Antennas		
ANTENNA 1	118-940MHz 1/4 wave antenna, unity gain, field tunable	$18.00
ANTENNA 2	144-174MHz 3dB gain mountable antenna, CHR, 59" high	$43.00
ANTENNA 3	450-470MHz 5dB gain mountable antenna, CHR, 40" high	$55.00
ANTENNA 4	152-162MHz, unity gain antenna, NMO compatible, 21.6". Factory tuned to 157MHz	$20.00
Cables		
OPC1132	DC power cable (9.8ft) with 2-pin T connector.	$45.00
OPC1939	D-Sub 15-pin ACC cable. Connects with a PC, external speaker, external channel control, ignition sense line or vehicle horn	$95.00
OPC2078	D-Sub 25-pin ACC cable. Connects with a PC, external speaker, external channel control, ignition sense line or vehicle horn	$120.00
OPC440	Microphone extension cable (RJ-45 M/F) (16.4ft)	$100.00
OPC647	Microphone extension cable 8.2ft	$75.00
External Speakers		
SP30	20W large external speaker	$110.00
SP35	5W external speaker with 3.5mm speaker jack and 2m cable	$60.00
Manuals		
94415608	F5121D USB Drive service manual	$28.97
94415695	F6121D USB Drive service manual	$33.33

Accessories

Model	Description	MSRP
Microphones		
HM148G	Self grounding microphone for mobile radios	$67.00
HM148T	DMTF mobile microphone	$110.00
HM152	Standard microphone for low/mid range mobile radios	$44.00
HM152T	DTMF modular microphone for LM mobile radios	$90.00
SM26	Desktop microphone with monitor switch for mobile radios	$90.00
Mounting Hardware		
F121 MMB	Mounting bracket F121/F221 F5011/F5021 series	$11.42
MOUNT 1	NMO Permanent Mount, 17ft RG58 cable, PL259 connector	$23.00
MOUNT 2	Trunk Lid Mount/HD, BRKT, 45 DEG CBL, 58A/U PL259	$38.00
MOUNT 3	Black Magnetic Mount - 3 1/4" diameter, 12ft RG58 cable w/PL259 connector	$45.00
Power Supplies		
CONTROL STATION ASSEMBLE	Install mobile into power supply and cabinet to make control station (Courtesy no charge)	$0.00
ICT CS120-20AG/IC04	110V power supply and cabinet for control station use for F5011/5021/F5121/F5220	$250.00
ICT IC04 220V	220V power supply and cabinet for control station use for F5011/5021	$275.00
Software & Cables		
CSF3101D/F5121D	F3101D/F5121D series programming software	$72.00
OPC1122U	PC to mobile radio programming cloning cable with USB connector.	$99.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	See Optional Services

F5220D - F6220D Series

IDAS Trunking Mobiles

SPECS _____

Frequencies:	136-174, 400-470, 450-512
Output Power:	50W (VHF); 45W (UHF)
Channels:	128 with 8 zones
Channel Spacing:	15 / 12.5 / 6.25kHz
Mil Spec:	MIL 810
Scan:	Priority/Vote/Roaming
Weight:	2.4lb

FEATURES _____

General Features:
- Channel announcement
- CTCSS/DTCS encoder/decoder
- Microphone hanger action programmable
- Power-on password function
- Talk around function
- Voting scan
- Nuisance delete function
- Time-out-timer, lock-out penalty

Digital Features:
- IDAS™ conventional
- IDAS multi-site and single-site trunking and IDAS multi-site conventional
- Up to 500 individual and up to 500 group ID aliases (Each for single-site/multi-site/conventional)
- PTT ID and ANI
- Call alert
- Status
- SDM (Short Data Message)
- Radio check (RX)
- RAN (Radio Access Number)
- Remote monitor (RX)
- Emergency
- Digital voice scrambler

COMES WITH _____

Hand Microphone (HM-152)
Mounting bracket kit
DC Power cable (OPC-1132)
Owner's manual
Warranty: 2 years

Configurations

Model	Description	MSRP
F5220D	136-174MHz IDAS mobile	$665.00
F6220D 11	400-470MHz IDAS mobile	$665.00

Accessories

Model	Description	MSRP
ENGRAVE	Engrave radio	See Optional Services
EXTWARR211	1 year extended warranty for a total 3 years	$25.00
EXTWARR212	2 year extended warranty for a total 4 years	$44.00
EXTWARR213	3 year extended warranty for a total 5 years	$62.00
Antennas		
ANTENNA 1	118-940MHz 1/4 wave antenna, unity gain, field tunable	$18.00
ANTENNA 2	144-174MHz 3dB gain mountable antenna, CHR, 59" high	$43.00
ANTENNA 3	450-470MHz 5dB gain mountable antenna, CHR, 40" high	$55.00
ANTENNA 4	152-162MHz, unity gain antenna, NMO compatible, 21.6". Factory tuned to 157MHz	$20.00
Cables		
OPC1132	DC power cable (9.8ft) with 2-pin T connector.	$45.00
OPC1939	D-Sub 15-pin ACC cable. Connects with a PC, external speaker, external channel control, ignition sense line or vehicle horn	$95.00
OPC2078	D-Sub 25-pin ACC cable. Connects with a PC, external speaker, external channel control, ignition sense line or vehicle horn	$120.00
OPC440	Microphone extension cable (RJ-45 M/F) (16.4ft)	$100.00
OPC647	Microphone extension cable 8.2ft	$75.00
External Speakers		
SP30	20W large external speaker	$110.00
SP35	5W external speaker with 3.5mm speaker jack and 2m cable	$60.00
Manuals		
94416649	F6220D USB Drive service manual	$28.97
94416651	F5220D USB Drive service manual	$33.33

Accessories

Model	Description	MSRP
Microphones		
HM148G	Self grounding microphone for mobile radios	$67.00
HM148T	DMTF mobile microphone	$110.00
HM152	Standard microphone for low/mid range mobile radios	$44.00
HM152T	DTMF modular microphone for LM mobile radios	$90.00
SM26	Desktop microphone with monitor switch for mobile radios	$90.00
Mounting Hardware		
F121 MMB	Mounting bracket F121/F221 F5011/F5021 series	$11.42
MOUNT 1	NMO Permanent Mount, 17ft RG58 cable, PL259 connector	$23.00
MOUNT 2	Trunk Lid Mount/HD, BRKT, 45 DEG CBL, 58A/U PL259	$38.00
MOUNT 3	Black Magnetic Mount - 3 1/4" diameter, 12ft RG58 cable w/PL259 connector	$45.00
Power Supplies		
CONTROL STATION ASSEMBLE	Install mobile into power supply and cabinet to make control station (Courtesy no charge)	$0.00
ICT CS120-20AG/IC04	110V power supply and cabinet for control station use for F5011/5021/F5121/F5220	$250.00
ICT IC04 220V	220V power supply and cabinet for control station use for F5011/5021	$275.00
Software & Cables		
CSF3210D	Programming software for F3210D/4210D, F3230D/4230D & F5220D/6220D	$72.00
OPC1122U	PC to mobile radio programming cloning cable with USB connector.	$99.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	See Optional Services

F5061D - F6061D Series

Analog, LTR, or IDAS™ Digital Mobiles

SPECS_____

Frequencies:	136-174, 400-470, 450-512MHz
Output Power:	50W (VHF), 45W (UHF)
Channels:	512 channels, 128 zones
Channel Spacing:	12.5kHz, 6.25kHz (D versions)
LCD Display:	Dot matrix, switchable 1 line 12 character or 2 line 24 character
Programmable Keys:	7
Mil Spec:	810 C, D, E
Scan:	Normal, priority & dual priority

FEATURES _____

General Features

- Basic LTR, Analog, Digital mixed mode
- Detachable front panel (req. separation kit)
- D-Sub accessory connector
- 8 DTMF autodial memories & ANI functions
- Power ON password
- Radio stun/kill
- Surveillance function (temp. turns LEDs off)
- Busy repeater lock out function

Digital Features:

- IDAS™ conventional
- IDAS multi-site and single-site trunking and IDAS multi-site conventional
- Voting mode scanning
- NXDN® Digital Air Interface
- Short & long data messages
- 64 Radio Access Numbers (RAN)
- Individual & group selective call
- Strongest site search
- Firmware upgrade over IP
- Configuration over IP

SIGNALING _____

CTCSS/DCS encode/decode
2/5 Tone
DTMF
ANI with 2/5 tone & DTMF
MDC1200

ENCRYPTION _____

Simple Inversion: UT-109R 32 Codes
Rolling Code: UT-110R 1020 Codes

COMES WITH _____

Microphone (HM-148G)
Mounting bracket
Power cable (OPC-1132)
Owner's manual
Warranty: 3 years

MULTITRUNK   IDAS   Meets MIL-STD 810   MDC 1200 Compatible

Configurations

Model	Description	MSRP
F5061D	136-174MHz IDAS mobile	$785.00
F5061D RR	136-174MHz IDAS radio, RR firmware installed, HM-148T included	$853.00
F6061D 61	400-470MHz IDAS mobile	$785.00
F6061D 66	450-512MHz IDAS mobile	$785.00

Accessories

Model	Description	MSRP
ENGRAVE	Engrave radio	See Optional Services
EXTWARR611	1 year extended warranty	$40.00
EXTWARR612	2 year extended warranty	$70.00
EXTWARR613	3 year extended warranty	$110.00
RR FIRMWARE UPGRADE	Add 3.1 RR firmware to your IDAS radio	$16.66
Antennas		
ANTENNA 1	118-940MHz 1/4 wave antenna, unity gain, field tunable	$18.00
ANTENNA 2	144-174MHz 3dB gain mountable antenna, CHR, 59" high	$43.00
ANTENNA 3	450-470MHz 5dB gain mountable antenna, CHR, 40" high	$55.00
ANTENNA 4	152-162MHz, unity gain antenna, NMO compatible, 21.6". Factory tuned to 157MHz	$20.00
Cables		
F5061 IGN SENSE CABLE	96" cable with 3A fuse	$15.00
OPC1132	DC power cable (9.8ft) with 2-pin T connector.	$45.00
OPC440	Microphone extension cable (RJ-45 M/F) (16.4ft)	$100.00
OPC647	Microphone extension cable 8.2ft	$75.00
Encryption & Internal Modules		
INSTALL-MF	Install a component into an LM mobile or portable	See Optional Services
UT126H 03	6.25kHz digital module for old PLL versions of the F3161/4161 or F5061/6061 radios	$250.00
UT-IA100	Audio amp board for F5061D with RR firmware installed (factory install ONLY; install included in price)	$130.00

Accessories

Model	Description	MSRP
External Speakers		
SP30	20W large external speaker	$110.00
SP35	5W external speaker with 3.5mm speaker jack and 2m cable	$60.00
Filters		
PW LF-1	Noise filter to use with the F5061D with the UT-IA100 already installed.	$63.00
Manuals		
94415251	F5061/F6061 USB Drive service manual	$28.97
Microphones		
HM148G	Self grounding microphone for mobile radios	$67.00
HM148T	DMTF mobile microphone	$110.00
HM152	Standard microphone for low/mid range mobile radios	$44.00
HM152T	DTMF modular microphone for LM mobile radios	$90.00
SM26	Desktop microphone with monitor switch for mobile radios	$90.00
Mounting Hardware		
F5061 MMB	Mounting bracket included with the F5061/F6061	$10.00
MOUNT 1	NMO Permanent Mount, 17ft RG58 cable, PL259 connector	$23.00
MOUNT 2	Trunk Lid Mount/HD, BRKT, 45 DEG CBL, 58A/U PL259	$38.00
MOUNT 3	Black Magnetic Mount - 3 1/4" diameter, 12ft RG58 cable w/PL259 connector	$45.00
Power Supplies		
CONTROL STATION ASSEMBLE	Install mobile into power supply and cabinet to make control station (Courtesy no charge)	$0.00
ICT CS120-20AG/IC09	110V power supply and cabinet for control station use for F5061/6061	$250.00
ICT IC09 220V	220V power supply and cabinet for control station use for F5061/6061	$275.00
Remote Mounting		
OPC607	3m/9.8ft separation cable for remote mounting kits	$57.00
OPC608	8m/26.2ft separation cable for remote mounting kits	$76.00

Accessories

Model	Description	MSRP
OPC609	1.9m/6.2ft separation cable for remote mounting kits	$55.00
OPC726	5m/16.4ft separation cable for remote mounting kits	$65.00
RMK3 01	F5061/6061 bracket & face plate for remote mounting. Separation cable not included	$110.00

Software & Cables

Model	Description	MSRP
CSF3161/F5061	Software to program the F3161/4161 & F5061/6061 radios	$72.00
OPC1122U	PC to mobile radio programming cloning cable with USB connector.	$99.00
OPC1871	Radio to radio cloning cable between 14-pin connector portable & mobile radio; used in conjunction with the OPC1534 for encryption key loading on the F7010 portable series	$110.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	See Optional Services

F5400D – F6400D Series

VHF UHF Digital Mobile Transceiver

SPECS _____

Frequencies:	136-174, 380-470, 450-512MHz
Output Power:	50W (VHF), 45W (UHF)
Channels:	1024 channels w/128 zones
Channel Spacing:	12.5kHz, 6.25kHz
LCD Display:	High-resolution color with icons and characters
Programmable Keys:	7 (D); 5 (DS)
Mil Spec:	C, D, E, F, G
Weight:	3.3lb
Waterproof Rating:	IP55
Versions:	With full display
	With numeric number only

FEATURES _____

General Features

- Basic LTR® / Conventional / IDAS
- GPS built-in
- Bluetooth™ built-in
- Intuitive user interface
- High-resolution color LCD
- Digital voice recorder – record up to 500 hours with 32GB microSD card
- Safety features: emergency button, lone woker function, and power OFF emergency function
- AquaQuake™
- Audio equalizer*
- D-Sub 25-pin ACC connector
- 20W audio amplifier for connecting with external public address system

Digital Features:

- IDAS™ conventional
- IDAS single-site and multi-site Type D trunking (optional upgrade)
- IDAS single-site and multi-site Type C trunking (optional upgrade)*
- Voting mode scanning
- NXDN® Digital Air Interface
- AMBE+2™ VOCODER
- Individual & group selective call

COMES WITH _____

Hand microphone (HM-220)
Mounting bracket kit
DC power cable
Microphone hanger
Owner's manual
Warranty: 3 years

ANALOG SIGNALING _____

2-tone, 5-tone, CTCSS and DTCS built-in
DTMF autodial and DTMF decode
MDC1200 compatible

ENCRYPTION _____

AES/DES UT-134
Over-the-Air Rekeying (requires license)*

*Future Availability

MULTiTRUNK   IDAS™   Meets MIL-STD 810   MDC 1200 Compatible

Configurations

Model	Description	MSRP
F5400DS 11	136-174MHz IDAS mobile with numerical display	$940.00
F5400D 01	136-174MHz IDAS mobile with color display	$955.00
F6400DS 11	380-470MHz IDAS mobile with numeric display	$940.00
F6400D 01	380-470MHz IDAS mobile with color display	$955.00
F6400D 21	450-512MHz IDAS mobile with color display	$955.00

Accessories

Model	Description	MSRP
ENGRAVE	Engrave radio	See Optional Services
EXTWARR811	1 year extended warranty	$65.00
EXTWARR812	2 year extended warranty	$93.00
EXTWARR813	3 year extended warranty	$130.00
Antennas		
UX241	GPS antenna	$55.00
Cables		
IAJB1001	Extension cable junction box for RMK5 or RMK7 that allows installer to connect 2 OPC2367s together for 52ft of cable	$80.00
IAOPC054	Cable to wire the F5400/F6400 to an external speaker	$30.00
IAOPC1003	USB to micro-USB 3ft cable	$12.00
Encryption & Internal Modules		
CSKLD2	Encryption key loader software for F3400/F5400 series	$600.00
ISL-AKAES	AES activation code for F3400/F5400 series	$360.00
UT134	AES/DES encryption board; requires ISL code to activate AES	$185.00
External Speakers		
SP30	20W large external speaker	$110.00
SP35	5W external speaker with 3.5mm speaker jack and 2m cable	$60.00
Microphones		
HM220	Heavy duty microphone (IP54) for the F5400 series	$100.00

Accessories

Model	Description	MSRP
HM220T	Heavy duty microphone with DTMF keypad (IP54) for the F5400 series	$160.00
HM221	Microphone (IP55) for the F5400 series	$100.00
HM221T	Microphone with DTMF keypad (IP55) for the F5400 series	$160.00
SM29	Desktop microphone for F5400 series	$175.00

Miscellaneous

Model	Description	MSRP
ISL-AK25K	Add 25kHz into the radio	$13.00
ISL-AKSTM	Add front panel programming/tactical group functions	$195.00
ISL-CHEX	Memory channel expansion (4000 CH)	$420.00
MSD CARD	32GB micro SD card	$30.00

Power Supplies

Model	Description	MSRP
CONTROL STATION ASSEMBLE	Install mobile into power supply and cabinet to make control station (Courtesy no charge)	$0.00
IAPS12	Power supply with cover for control station (120VAC; 20A)	$215.00
IAPS12E	Power supply with cover for control station (220VAC; 12A) for low and mid power only	$245.00

Remote Mounting

Model	Description	MSRP
HM218	Secondary remote control microphone, COMMANDMIC, for the F5400D/F6400D. Requires RMK5 + OPC2373 or OPC2374.	$500.00
OPC2364	1.9m/6.2ft separation cable for RMK5/RMK7	$60.00
OPC2365	3m/9.8ft separation cable for RMK5/RMK7	$63.00
OPC2366	5m/16.4ft separation cable for RMK5/RMK7	$67.00
OPC2367	8m/26.2ft separation cable for RMK5/RMK7	$80.00
OPC2373	1.9m/6.2ft separation cable for HM218	$62.00
OPC2374	8m/26.2ft separation cable for HM218	$95.00
RMK5	Bracket & face plate for remote mounting for the F5400D/F6400D. Separation cable not included.	$215.00
RMK7	Dual head and separation kit for the F5400D/F6400D. Separation cables & microphone not included.	$650.00

Software & Cables

Model	Description	MSRP
CSF3400D	Programming software for the F3400D/F5400D series	$80.00

Accessories

Model	Description	MSRP
CSOTPM1	Over-the-air programming (OTAP) manager software	$520.00
OPC2362	Handheld to mobile zone copy cable (14-pin to 10-pin DIM)	$100.00
OPC2363	10-pin DIM programming cable	$110.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	See Optional Services
Trunking		
ISL-UGMTR	Type D trunking license for single and multi-site trunking	$125.00

F1721 - F2721/F2821 Series
High End Analog, P25 Conventional Mobiles

SPECS _____

Frequencies:	136-174, 400-470, 450-512MHz
Output Power:	50W (VHF); 45W (UHF)
Channels:	256 with 32 zones
Channel Spacing:	12.5 / 25kHz
LCD Display:	Dot matrix, switchable 1 line 12 characters or 2 lines 24 characters
Programmable Keys:	5 (simple version) or 7 (10-key version)
Mil Spec:	810 C, D, E
Scan:	Normal, priority & dual priority
Versions:	Analog only (upgradeable to P25) P25 ready (D versions)

FEATURES _____

General Features
- Detachable front panel
- Radio stun / kill
- Tactical group function
- Built-in audio compander (analog only)
- 22W PA built-in
- Power-on password function

Digital P25 Features
- Interoperability with other manufacturer's P25 digital radios in conventional mode
- Compatible w/ both analog FM & P25 digital mode

SIGNALING _____

MDC1200
CTCSS/DCS encode/decode
DTMF decode
2/5 tone encode/decode
Enhanced MDC (optional on analog)
ANI with 2/5 tone & DTMF

COMES WITH _____

Hand mic (HM-148G)
External speaker (SP-22) for F2821
Mounting bracket kit
DC Power cable (OPC-1132)
Owner's manual
Warranty: 2-Year
          3-Year ("D" series)

ENCRYPTION _____

Simple Inversion: UT-109 02 32 Codes
Rolling Code: UT-110 02 1020 Codes

Configurations

Model	Description	MSRP
F2821D 23	400-470MHz analog mobile, upgradeable to P25	$690.00

Accessories

Model	Description	MSRP
ENGRAVE	Engrave radio	See Optional Services
EX2785J01	P25 activation software for F70/80 & F1721/2721 radios	$680.00
EX2785J03	AES activation upgrade	$656.00
EXTWARR611	1 year extended warranty	$40.00
EXTWARR612	2 year extended warranty	$70.00
EXTWARR613	3 year extended warranty	$110.00
EXTWARR811	1 year extended warranty	$65.00
EXTWARR812	2 year extended warranty	$93.00
EXTWARR813	3 year extended warranty	$130.00

Antennas

Model	Description	MSRP
ANTENNA 1	118-940MHz 1/4 wave antenna, unity gain, field tunable	$18.00
ANTENNA 2	144-174MHz 3dB gain mountable antenna, CHR, 59" high	$43.00
ANTENNA 3	450-470MHz 5dB gain mountable antenna, CHR, 40" high	$55.00
ANTENNA 4	152-162MHz, unity gain antenna, NMO compatible, 21.6". Factory tuned to 157MHz	$20.00

Cables

Model	Description	MSRP
OPC1132	DC power cable (9.8ft) with 2-pin T connector.	$45.00
OPC440	Microphone extension cable (RJ-45 M/F) (16.4ft)	$100.00
OPC617	Accesory cable for external terminal connection	$65.00
OPC647	Microphone extension cable 8.2ft	$75.00

Encryption & Internal Modules

Model	Description	MSRP
INSTALL-MF	Install a component into an LM mobile or portable	See Optional Services
KA KVL125	KVL unit powered by 9-volt battery	$3,185.00
OPC-IAKVL1	Interface Cable with RJ45 Connector between P25 mobiles & KA KVL125	$150.00
UT109 02	Non-rolling voice scrambler. Up to 32 codes available. Not compatible with radios using the UT-110.	$105.00

Accessories

Model	Description	MSRP
UT110 02	Rolling voice scrambler. Up to 1020 (255 codes x 4 groups) codes available.	$173.00
UT120 02	P25 Hardware Upgrade Board - Mobiles	$541.00

External Speakers

Model	Description	MSRP
SP30	20W large external speaker	$110.00
SP35	5W external speaker with 3.5mm speaker jack and 2m cable	$60.00

Manuals

Model	Description	MSRP
94414901	F1721/1821/2721/2821 USB Drive service manual	$50.22

Microphones

Model	Description	MSRP
HM148G	Self grounding microphone for mobile radios	$67.00
HM148T	DMTF mobile microphone	$110.00
HM152	Standard microphone for low/mid range mobile radios	$44.00
HM152T	DTMF modular microphone for LM mobile radios	$90.00
SM26	Desktop microphone with monitor switch for mobile radios	$90.00

Mounting Hardware

Model	Description	MSRP
F1721 MMB	Mounting bracket for F1721/F1821, F2721/2821, F9011S/T	$10.00
MOUNT 1	NMO Permanent Mount, 17ft RG58 cable, PL259 connector	$23.00
MOUNT 2	Trunk Lid Mount/HD, BRKT, 45 DEG CBL, 58A/U PL259	$38.00
MOUNT 3	Black Magnetic Mount - 3 1/4" diameter, 12ft RG58 cable w/PL259 connector	$45.00

Power Supplies

Model	Description	MSRP
CONTROL STATION ASSEMBLE	Install mobile into power supply and cabinet to make control station (Courtesy no charge)	$0.00
ICT CS120-20A/IC06	110V power supply & cabinet for control station use on P25 radios	$250.00
ICT IC06 220V	220V power supply & cabinet for control station use on P25 radios	$255.00

Remote Mounting

Model	Description	MSRP
OPC607	3m/9.8ft separation cable for remote mounting kits	$57.00
OPC608	8m/26.2ft separation cable for remote mounting kits	$76.00
OPC609	1.9m/6.2ft separation cable for remote mounting kits	$55.00

Accessories

Model	Description	MSRP
OPC726	5m/16.4ft separation cable for remote mounting kits	$65.00
RMK2	F1721/1821 bracket & face plate for remote mounting. Separation cable not included	$145.00

Software & Cables

Model	Description	MSRP
CSF70/F1700	Cloning Softwre F70/F80/F1721/F1821/F2721/F282	$72.00
OPC1122U	PC to mobile radio programming cloning cable with USB connector.	$99.00
OPC1532	Radio to radio cloning cable between P25 mobile radios	$42.00
OPC1533	Radio to radio cloning cable between F1721/2721/D series mobiles & F70/80/D portable radios	$88.00
OPC1534	Key Loader cable for P25 radio to KVL3000/4000. For portables: requires OPC-1871, RJ45 female to RJ45 female & 8920001690. For mobiles: requires RJ45 female to RJ45 female & 8920001690.	$225.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	See Optional Services

F9511 - F9521 Series
P25 Trunking Mobiles

SPECS _____

Frequencies:	136-174, 400-470, 450-520MHz
Output Power:	50W or 110W (VHF), 50W (UHF)
Channels:	512 / 128 zones
Channel Spacing:	15/30 (analog), 12.5kHz (digital)
PLL Channel Spacing:	2.5, 3.125kHz
LCD Display:	Dot matrix with backlighting and 2 lines of 12 characters each
Programmable Keys:	5 (S) or 7 (T)
Mil Spec:	810 C, D, E
Scan:	Normal, priority & dual priority
Waterproof Rating:	IP54 dust-protection and splash proof (controller only)
Versions:	50W without a DTMF keypad
	50W with DTMF keypad
	110W with DTMF keypad

FEATURES _____

General Features:
- 100 individual ID and 250 talkgroup ID memories
- Detachable front panel
- Programmable ACC port for external control, dimmer and horn control
- Dual head capable with 110W version
- Tactical group function
- 22W PA function with BTL amplifier
- RX speaker functions
- Scan settings – dual priority, mode dependent, talk back and more
- Built-in audio compander (analog only)
- Radio stun/kill function (P25 digital only)

P25 Digital Features:
- P25 digital conventional
- P25 digital trunking option
- DVSI's AMBE+2™ vocoder
- Digital/analog mixed mode operation
- P25 OTAR option

Compliant Standards:
- TIA/EIA TSB 102. CAAB compliant
- NTIA VHF specification compliant
- FIPS 140-2 (level 1) certified AES encryption

COMES WITH _____

Microphone (HM-148G)
Mounting bracket
Power cable
Owner's manual
Warranty: 3 years

F9511T includes the SP-35
F9511HT includes the OPC-726, but requires an external speaker

ENCRYPTION _____

DES: UT-128
AES/DES: UT-125
AES FIPS: UT-125 FIPS

SIGNALING _____

CTCSS/DTCS encorder & decoder (analog only)
2 Tone endocder & decoder (analog only)
MDC1200 (analog only)
DTMF audiodial (analog only)

Configurations

Model	Description	MSRP
F9511HT 21	136-174MHz 110W P25 Conventional mobile with full keypad. No external speaker included - must be ordered separately	$2,700.00
F9511S 01	136-174MHz P25 conventional 50W mobile	$1,605.00
F9511T 25	136-174MHz P25 Conventional 50W mobile with keypad	$1,810.00
F9521S 41	400-470MHz 45W P25 Conventional mobile, no keypad	$1,690.00
F9521T 25	400-470MHz mobile with full keypad	$1,720.00
F9521T 45	400-470MHz P25 Conventional 45W mobile, full keypad	$1,810.00

Accessories

Model	Description	MSRP
ENGRAVE	Engrave radio	See Optional Services
EXTWARR811	1 year extended warranty	$65.00
EXTWARR812	2 year extended warranty	$93.00
EXTWARR813	3 year extended warranty	$130.00
Antennas		
ANTENNA 1	118-940MHz 1/4 wave antenna, unity gain, field tunable	$18.00
ANTENNA 2	144-174MHz 3dB gain mountable antenna, CHR, 59" high	$43.00
ANTENNA 3	450-470MHz 5dB gain mountable antenna, CHR, 40" high	$55.00
ANTENNA 4	152-162MHz, unity gain antenna, NMO compatible, 21.6". Factory tuned to 157MHz	$20.00
Cables		
OPC1132	DC power cable (9.8ft) with 2-pin T connector.	$45.00
OPC1962	DC power cord for F9511HT	$60.00
OPC440	Microphone extension cable (RJ-45 M/F) (16.4ft)	$100.00
OPC647	Microphone extension cable 8.2ft	$75.00
Encryption & Internal Modules		
INSTALL-MF	Install a component into an LM mobile or portable	See Optional Services
KA KVL125	KVL unit powered by 9-volt battery	$3,185.00
OPC-IAKVL1	Interface Cable with RJ45 Connector between P25 mobiles & KA KVL125	$150.00
UT125 01	AES/DES encryption board with OTAR compliance for F9011/F9511 series	$695.00

Accessories

Model	Description	MSRP
UT125 FIPS	FIPS 140-2 AES encryption board with OTAR compliance for F9011/F9511 series	$789.00
UT128	DES encryption for F9011/F9511 radios	$420.00

External Speakers

SP30	20W large external speaker	$110.00
SP35	5W external speaker with 3.5mm speaker jack and 2m cable	$60.00

Manuals

94415436	F9511 USB Drive service manual	$33.33

Microphones

HM148G	Self grounding microphone for mobile radios	$67.00
HM148T	DMTF mobile microphone	$110.00
SM26	Desktop microphone with monitor switch for mobile radios	$90.00

Mounting Hardware

MOUNT 1	NMO Permanent Mount, 17ft RG58 cable, PL259 connector	$23.00
MOUNT 2	Trunk Lid Mount/HD, BRKT, 45 DEG CBL, 58A/U PL259	$38.00
MOUNT 3	Black Magnetic Mount - 3 1/4" diameter, 12ft RG58 cable w/PL259 connector	$45.00

Power Supplies

CONTROL STATION ASSEMBLE	Install mobile into power supply and cabinet to make control station (Courtesy no charge)	$0.00
ICT CS120-20A/IC06	110V power supply & cabinet for control station use on P25 radios	$250.00
ICT CS120-30A/IC08	110V power supply and cabinet for control station use for F9511HT	$700.00
ICT IC06 220V	220V power supply & cabinet for control station use on P25 radios	$255.00

Remote Mounting

IA-DH1095	Remote mounting kit for the F9511/F9521 dual head kit. Dual head, external speaker, speaker microphone, and separation cables are required.	$1,015.00
OPC607	3m/9.8ft separation cable for remote mounting kits	$57.00
OPC608	8m/26.2ft separation cable for remote mounting kits	$76.00
OPC609	1.9m/6.2ft separation cable for remote mounting kits	$55.00
OPC726	5m/16.4ft separation cable for remote mounting kits	$65.00

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U.S. Land Mobile Retail: Product Catalog

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Accessories

Model	Description	MSRP
RMK2	F1721/1821 bracket & face plate for remote mounting. Separation cable not included	$145.00
RMK4 01	Dual head and separation kit for F9511HT. Requires external speaker and cable.	$860.00

Software & Cables

Model	Description	MSRP
CSF9010/F9510	F9011/9511 programming software	$72.00
CSRMK4	Programming software for the RMK4	$80.00
OPC1122U	PC to mobile radio programming cloning cable with USB connector.	$99.00
OPC1534	Key Loader cable for P25 radio to KVL3000/4000. For portables: requires OPC-1871, RJ45 female to RJ45 female & 8920001690. For mobiles: requires RJ45 female to RJ45 female & 8920001690.	$225.00
OPC1871	Radio to radio cloning cable between 14-pin connector portable & mobile radio; used in conjunction with the OPC1534 for encryption key loading on the F7010 portable series	$110.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	See Optional Services

Trunking

Model	Description	MSRP
ISL-3	P25 trunking upgrade for the F9011/9511 series radios	$500.00

F7510 – F7520 – F7540 Series

P25 Conventional & Analog Mobiles

SPECS _____

Frequencies:	136-174, 380-470, 450-512MHz
Output Power:	50W (VHF); 45W (UHF)
Channels:	1024 w/128 zones
Display:	High resolution color LCD
Programmable Keys:	7
Mil Spec:	C, D, E, F & G
Waterproof Rating:	IP55
Weight:	3.3lb

FEATURES _____

General Features:
- GPS built-in
- Bluetooth™ built-in
- Intuitive user interface
- Digital voice recorder – record up to 500 hours with 32GB microSD card
- Safety features: emergency key, lone worker function, and power OFF emergency
- Day and night mode display settings
- D-Sub 25-pin ACC connector

P25 Digital Features:
- P25 conventional
- P25 Phase 1 trunking option
- P25 Phase 2 trunking option
- P25 vote scan option
- Analog/digital mixed operation
- Individual, group call
- Unit ID and talkgroup display on receive
- Status call and polling
- Short data message (up to 100 characters)
- Page call
- Phone number list
- Call log

COMES WITH _____

Hand microphone (HM-220)
Mounting bracket kit
DC power cable
Microphone anger
Owner's manual
Warranty: 3 years

ENCRYPTION _____

AES/DES: UT-134 + license key
FIPS AES: UT-125 FIPS-2 + license key

SIGNALING _____

2-tone, CTCSS, DTCS tone
MDC functions
DTMF autodial

Configurations

Model	Description	MSRP
F7510	136-174MHz P25 conventional mobile with color display	$1,720.00
F7520 11	380-470MHz P25 conventional mobile with color display	$1,720.00
F7520 21	450-512MHz P25 conventional mobile with color display	$1,720.00
F7540	700/800MHz P25 conventional mobile with color display	$1,720.00

Accessories

Model	Description	MSRP
ENGRAVE	Engrave radio	See Optional Services
EXTWARR811	1 year extended warranty	$65.00
EXTWARR812	2 year extended warranty	$93.00
EXTWARR813	3 year extended warranty	$130.00
ISL-P25W	Enable 25kHz in the F7010/F7510 radios	$5.00
Antennas		
UX241	GPS antenna	$55.00
Cables		
IAOPC1003	USB to micro-USB 3ft cable	$12.00
OPC1132	DC power cable (9.8ft) with 2-pin T connector.	$45.00
Encryption & Internal Modules		
IAOPC1075	F7500 mobile adapter cable to use with Motorola KVL3000/4000/5000 keyloaders. Requires the OPC1534 cable and a RJ45 female-to-female adapter.	$150.00
IAOPC1076	F7500 mobile adapter cable to use with the KVL125 keyloader. Requires the OPC-IAKVL1 cable and a RJ45 female-to-female adapter.	$200.00
INSTALL-MF	Install a component into an LM mobile or portable	See Optional Services
ISL-P25AES	AES activation key enables AES in radio (requires UT134 or UT125 FIPS-2)	$360.00
KA KVL125	KVL unit powered by 9-volt battery	$3,185.00
UT125 FIPS-2	FIPS 140-2 encryption board; requires ISL-P25AES license key to activate AES	$830.00
UT134	AES/DES encryption board; requires ISL code to activate AES	$185.00
External Speakers		
SP30	20W large external speaker	$110.00

Accessories

Model	Description	MSRP
SP35	5W external speaker with 3.5mm speaker jack and 2m cable	$60.00

Headsets

Model	Description	MSRP
VS3	Compact lapel PTT Bluetooth with earphone w/3.5mm jack	$149.00

Licenses

Model	Description	MSRP
ISL-P25DS	P25 packet data service (GPS/text) license	$175.00
ISL-P25FP	Front panel programming	$330.00
ISL-P25VS	P25 conventional voting scan license	$120.00

Microphones

Model	Description	MSRP
HM220	Heavy duty microphone (IP54) for the F5400 series	$100.00
HM220T	Heavy duty microphone with DTMF keypad (IP54) for the F5400 series	$160.00
HM221	Microphone (IP55) for the F5400 series	$100.00
HM221T	Microphone with DTMF keypad (IP55) for the F5400 series	$160.00
SM29	Desktop microphone for F5400 series	$175.00

Power Supplies

Model	Description	MSRP
CONTROL STATION ASSEMBLE	Install mobile into power supply and cabinet to make control station (Courtesy no charge)	$0.00
IAPS12	Power supply with cover for control station (120VAC; 20A)	$215.00

Remote Mounting

Model	Description	MSRP
HM218	Secondary remote control microphone, COMMANDMIC, for the F5400D/F6400D. Requires RMK5 + OPC2373 or OPC2374.	$500.00
OPC2364	1.9m/6.2ft separation cable for RMK5/RMK7	$60.00
OPC2365	3m/9.8ft separation cable for RMK5/RMK7	$63.00
OPC2366	5m/16.4ft separation cable for RMK5/RMK7	$67.00
OPC2367	8m/26.2ft separation cable for RMK5/RMK7	$80.00
OPC2373	1.9m/6.2ft separation cable for HM218	$62.00
OPC2374	8m/26.2ft separation cable for HM218	$95.00
RMK5	Bracket & face plate for remote mounting for the F5400D/F6400D. Separation cable not included.	$215.00

Accessories

Model	Description	MSRP
RMK7	Dual head and separation kit for the F5400D/F6400D. Separation cables & microphone not included.	$650.00

Software & Cables

Model	Description	MSRP
CSF7510	Programming software for the F7010 & F7510 P25 radios	$100.00
CSOTPM2	P25 over-the-air programming (OTAP) manager software; support only conventional mode	$800.00
IASKF7P	System Owner Master Key (SOMK); USB Dongle and CS-F7500ASK "P25 Advanced System Key (ASK) Manager Application" Note: Available only to P25 trunking system owners and requires the completion of the "P25 System Key Request Form" by the P25 Trunking System Owner	$500.00
IASKF7S	Accessory Advanced System Key (AASK) USB dongle required for programming P25 trunking parameters. Note: shipped unprogrammed; requires P25 trunking system owner to program	$225.00
OPC1534	Key Loader cable for P25 radio to KVL3000/4000. For portables: requires OPC-1871, RJ45 female to RJ45 female & 8920001690. For mobiles: requires RJ45 female to RJ45 female & 8920001690.	$225.00
OPC2362	Handheld to mobile zone copy cable (14-pin to 10-pin DIM)	$100.00
OPC2363	10-pin DIM programming cable	$110.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	See Optional Services

Trunking

Model	Description	MSRP
ISL-P25P2	P25 Phase 2 trunking license (Phase 1 license required)	$420.00
ISL-P25TR	P25 Phase 1 trunking license	$500.00

Data Radio, HF & RoIPSolutions

F5122DD – F6122DD Series

VHF and UHF Data Transceivers

SPECS _____

Frequencies:	136-174, 400-470MHz
Output Power:	25W, 10W, 2.5W (Hi, L2, L1)
Channels:	128
Channel Spacing:	12.5 / 6.25kHz
Mil Spec:	810 C, D, E & F
Weight (approx):	2.0lb

FEATURES _____

General Features:
- 9600bps (at 12.5kHz) and 4800bps (at 6.25kHz) data mode programmable
- RS-232 and RS-232 + Ethernet versions
- Fast data transfer using 4-level FSK modulation suitable for real-time data monitoring
- BNC antenna connector
- Individual, group and all calls
- Data encryption function (500 codes)

COMES WITH _____

DC power cable
Mounting bracket kit
Warranty: 2 years

Icom America Inc.

Configurations

Model	Description	MSRP
F5122DD 12	136-174MHz, 9.6k/4.8kbps, 25W, RS232 + ethernet	$800.00
F6122DD 12	400-470MHz, 9.6k/4.8kbps, 25W, RS232 + ethernet	$800.00

Accessories

Model	Description	MSRP
EXTWARR211	1 year extended warranty for a total 3 years	$25.00
EXTWARR212	2 year extended warranty for a total 4 years	$44.00
EXTWARR213	3 year extended warranty for a total 5 years	$62.00
Cables		
OPC1132	DC power cable (9.8ft) with 2-pin T connector.	$45.00
Software & Cables		
CSF5122DD	F5122DD/6122DD programming software	$80.00
OPC2218LU	Cloning/data cable with USB connector for ID51A/ID31A/5100A/7100	$75.00

F8101
HF Transceiver

SPECS _____

Frequencies:	Receive 0.5-29.9999MHz
	Transmit 1.6-29.9999MHz
Number of Channels:	500 channels
Type of Emission:	J3E, A3E, A1A, F1B, J2B
Output Power:	125W
Mil Spec:	MIL 810 C, D, E, F, G
Dimensions:	6.85x2.44x10.2 in (Controller attached)
Weight:	8.6lb (Controller attached type)

FEATURES _____

ALE (Automatic Link Establishment)
Selective calling
Compact and durable
BITE (Built-in Test Equipment) function
User friendly operation
Clear talk function
Mute functions
Digital Signal Processor (DSP)
GPS receiver connection
Data communications
USB Port for PC connection

COMES WITH _____

RF unit with controller head
Microphone (HM-193)
Microphone hanger kit
External speaker (SP-35L)
DC power cable
Spare fuses
Owner's manual
Warranty: 2 years

Meets MIL-STD 810

IP54
DUST PROTECTION
& SPLASH PROOF

Icom America Inc.

Configurations

Model	Description	MSRP
F8101 33	HF 125W transceiver with ALE (automatic link establishment)	$3,750.00

Accessories

Model	Description	MSRP
EXTWARR912	1 year extended warranty	$125.00
EXTWARR913	2 year extended warranty	$160.00
EXTWARR914	3 year extended warranty	$245.00
Antenna Tuners		
AT140	HF automatic antenna tuner	$710.00
MN100L	Antenna matcher. Matches the transceiver to a long wire antenna. Covers all HF bands from 1.5 to 30mhz. One 15m antenna comes standard.	$455.00
Antennas		
AH740	Relay-driven compact automatic tuning antenna 2.5MHz-29.999MHz	$2,315.00
Cables		
OPC2308	GPS/External modem connection cable	$175.00
OPC2309	Antenna tuner control cable for AT140/AH740 for F8101 (10M or 32.8ft)	$170.00
External Speakers		
SP30	20W large external speaker	$110.00
SP35	5W external speaker with 3.5mm speaker jack and 2m cable	$60.00
GPS		
UX248	GPS unit	$325.00
Microphones		
HM192	Remote control microphone for F8101 (requires separation cable)	$640.00
HM193	Hand microphone for the F8101	$85.00
Miscellaneous		
CFUF8100	Cooling fan unit	$440.00

Accessories

Model	Description	MSRP
Mounting Hardware		
MB126	Mounting bracket for F8101	$300.00
Remote Mounting		
OPC607	3m/9.8ft separation cable for remote mounting kits	$57.00
OPC608	8m/26.2ft separation cable for remote mounting kits	$76.00
OPC609	1.9m/6.2ft separation cable for remote mounting kits	$55.00
OPC726	5m/16.4ft separation cable for remote mounting kits	$65.00
RMK6	Remote mount kit for the F8101. Separation cable sold separately.	$360.00
Software & Cables		
CSF8101	Programming software. Use a generic USB "A" to "B" cable to program radio.	$80.00
OPC2204	F8101 Cloning cable	$200.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	See Optional Services

Icom America Systems

X-BAND REPEATER

Cross Band VHF & UHF

SPECS _____

Frequencies:	136-174, 400-470MHz or AV frequencies
Output Power:	50W (VHF), 45W (UHF)
Channels:	128 channels, 8 zones
Channel Spacing:	12.5kHz
PLL Channel Spacing:	2.5, 3.125kHz
Display:	LCD with 8 character alphanumeric

FEATURES _____

Full UHF & VHF analog interoperability
Configured to auto switch from AC to DC
Local controlled operation, can be used as a dual base unit
Programmable actions when a matched tone is received:
- Bell icon indication ON / OFF / Blink
- Answer back calls
- Beep sounds
- Scan Start / Stop
- Auto transmission
- Stun / Kill functions (prevents use of a lost or stolen)

10 scanning lists and Normal / Priority scan
Power ON password

SIGNALING_____

CTCSS/DTCS decode
2/5 Tone
MDC1200

WARRANTY _____

Radios: 2 years
Parts: 1 year

Configurations

Model	Description	MSRP
IAS X-BAND 50	VHF FM & UHF FM cross band repeater	$2,700.00
IAS X-BAND 50 AIR U	Airband AM & UHF FM cross band repeater	$3,495.00
IAS X-BAND 50 AIR V	Airband AM & VHF FM cross band repeater	$3,495.00
IAS X-BAND 50 UU	UHF FM & UHF FM cross band repeater	$2,700.00
IAS X-BAND 50 VV	VHF FM & VHF FM cross band repeater	$2,700.00

Accessories

Model	Description	MSRP
EXTWARRPT1	1 year extended warranty for a total 3 years	$180.00
EXTWARRPT2	2 year extended warranty for a total 4 years	$325.00
EXTWARRPT3	3 year extended warranty for a total 5 years	$465.00
Cabinets		
IASMNT1030	30" (17RU) locking indoor cabinet	$1,165.00
IASMNT1046	46" (26RU) locking indoor cabinet	$2,280.00
IASMNT1060	60" (34RU) locking indoor cabinet	$3,190.00
Microphones		
HM152	Standard microphone for low/mid range mobile radios	$44.00
HM152T	DTMF modular microphone for LM mobile radios	$90.00
HM216	Standard microphone for A120	$47.00
HM217	Microphone with built-in speaker and front panel includes up/down buttons and two programmable buttons (P1/P2)	$100.00
SM26	Desktop microphone with monitor switch for mobile radios	$90.00
Racks		
IASMNT1028	28x19, 16U desktop 2-post rack; 350lb weight capacity	$395.00
IASMNT1042	42x19 welded steel 2-post rack; 24U, 1,500lb weight capacity	$750.00
IASMNT1063	63x19 welded steel 2-post rack; 63U, 1,500lb weight capacity	$995.00
IASMNT1070	70x19 welded steel 2-post rack; 40U, 1,500lb weight capacity	$1,025.00

Accessories

Model	Description	MSRP
Software & Cables		
CSF3021/F5021/F5011	F3021/5021/5011 series programming software	$72.00
OPC1122U	PC to mobile radio programming cloning cable with USB connector.	$99.00
PROG-IAS	Icom to program repeaters with provided icf file or add in basic frequencies	See Optional Services

CY5000 – CY6000 Repeaters

All In One IDAS™ Digital & Analog Repeater

SPECS _____

Frequencies:	136-174, 400-470, 450-512MHz
Output Power:	50W at 50% duty cycle
	25W at 100% duty cycle
Channels:	32
Channel Spacing:	6.25 (digital) / 12.5kHz
Height:	3 RU
Versions:	Repeater only
	Repeater With Duplexer
	Repeater With Pre-Selector
	Repeater With Duplexer &
	Pre-Selector

SPECS & FEATURES _____

Built-in power supply: 13.8V in or 110V AC in or 220V AC in
Built-in battery backup & charging capable
Built-in heavy duty A/C EMI filtering
3 RU tall - built-in rack handles
19” standard rack or cabinet mounting
Powder-coated steel chassis N style bulkhead connectors built-in grounding stud
Max air cross flow: 80 CFM for excellent ventilation
DB-25 rear connector interface for external equipment
DC terminal strip for easy BBU connection
3 ethernet connections for IP / remote management / trunking
Digital Features:

- IDAS Trunking-single or multisite (UC-FR5000 & CFFR5000)
- Receives analog and digital signals on a single channel
- NXDN® Digital Air Interface
- Strongest site search
- Firmware upgrade over IP
- Configuration over IP

SIGNALING _____

Digital RAN Code decode
5-tone & DTMF Encode/Decode (analog)
CTCSS

ENCRYPTION _____

Simple Inversion: UT-109R 32 Codes
Rolling Code: UT-110R 1020 Codes
IDAS digital mode, 15-bit encryption key provides over
   32K codes

WARRANTY _____

1-Year

MULTiTRUNK   IDAS

Configurations

Model	Description	MSRP
CY5000	136-174MHz IDAS analog/digital repeater with power supply	$2,625.00
CY6001	400-470MHz IDAS analog/digital repeater with power supply	$2,625.00

Accessories

Model	Description	MSRP
EXTWARRPT1	1 year extended warranty for a total 3 years	$180.00
EXTWARRPT2	2 year extended warranty for a total 4 years	$325.00
EXTWARRPT3	3 year extended warranty for a total 5 years	$465.00
INSTALL-IAS	Install a component into a repeater or an item into a cabinet	See Optional Services

Cabinets

Model	Description	MSRP
IASMNT1030	30" (17RU) locking indoor cabinet	$1,165.00
IASMNT1046	46" (26RU) locking indoor cabinet	$2,280.00
IASMNT1060	60" (34RU) locking indoor cabinet	$3,190.00

Duplexers

Model	Description	MSRP
IASDUP1001	136-148 6 cavity 50W internal duplexer, 3MHz TX-RX separation	$525.00
IASDUP1002	148-160 6 cavity 50W internal duplexer, 3MHz TX-RX separation	$525.00
IASDUP1003	160-174 6 cavity 50W internal duplexer, 3MHz TX-RX separation	$525.00
IASDUP1004	136-148 6 cavity 50W internal duplexer, 5MHz TX-RX separation	$525.00
IASDUP1005	148-160 6 cavity 50W internal duplexer, 5MHz TX-RX separation	$525.00
IASDUP1006	160-174 6 cavity 50W internal duplexer, 5MHz TX-RX separation	$525.00
IASDUP1007	136-148 6 cavity 50W internal duplexer, 10MHz TX-RX separation	$525.00
IASDUP1008	148-160 6 cavity 50W internal duplexer, 10MHz TX-RX separation	$525.00
IASDUP1009	160-174 6 cavity 50W internal duplexer, 10MHz TX-RX separation	$525.00
IASDUP1010	144-190MHz 6 cavity 100W duplexer with 3MHz minimum TX-RX separation	$2,030.00
IASDUP1012	144-174MHz 6 cavity, 350W duplexer, 400kHz TX-RX separation; 32" tall	$4,400.00
IASDUP1015	152-175MHz 50W internal duplexer (6-15MHz minimum separation)	$510.00
IASDUP1035	400-512 4 cavity 100W duplexer, 3MHz TX-RX separation	$1,895.00
IASDUP1036	400-440 6 cavity 50W internal duplexer, 5MHz TX-RX separation	$525.00

Accessories

Model	Description	MSRP
IASDUP1037	440-470 6 cavity 50W internal duplexer, 5MHz TX-RX separation	$525.00
IASDUP1038	470-490 6 cavity 50W internal duplexer, 5MHz TX-RX separation	$525.00
IASDUP1039	490-512 6 cavity 50W internal duplexer, 5MHz TX-RX separation	$525.00
IASDUP1040	400-440 6 cavity 50W internal duplexer, 10MHz TX-RX separation	$525.00
IASDUP1041	440-470 6 cavity 50W internal duplexer, 10MHz TX-RX separation	$525.00
IASDUP1042	470-490 6 cavity 50W internal duplexer, 10MHz TX-RX separation	$525.00
IASDUP1043	490-512 6 cavity 50W internal duplexer, 10MHz TX-RX separation	$525.00
IASDUP1044	440-512 6 cavity 100W duplexer with 3MHz minimum TX-RX separation	$2,050.00
IASDUP50CY	CY5000/6000 internal duplexer assembly kit including RF jumpers and screws	$28.61

IP Linking

Model	Description	MSRP
CFFR5000 02	Multi-site (conventional only) IP repeater link card (requires UC-FR5000 or UCFR5300 board)	$65.00
CFFR5000MT	Multi-site (conventional & trunking) IP repeater link card (requires UC-FR5000 or UCFR5300 board)	$1,375.00

Manuals

Model	Description	MSRP
94415355	FR6000 USB Drive service manual	$33.33
94415514	FR5000 USB Drive service manual	$33.33

Power Amplifiers

Model	Description	MSRP
IASE2PA506	440-470MHz 100W 2RU power amplifier; 19" rack mountable; requires 13.8V power supply	$3,800.00
IASE2PA507	470-490MHz 100W 2RU power amplifier; 19" rack mountable; requires 13.8V power supply	$3,800.00
IASE2PA511	470-490MHz 100W 2RU additional power amplifier (fits next to IASE2PA507 in chassis)	$3,400.00
IASPA510	144-154MHz 100W out, 2-5W in, 4RU power amplifier; 19" rack mountable	$2,400.00
IASPA520	152-162MHz 100W out, 2-5W in, 4RU power amplifier; 19" rack mountable	$2,400.00

Power Equipment & Rack Mounting

Model	Description	MSRP
IASDP1001	DC distribution panel 12/24VDC with remote power control and SNMP. It can manage up to 12 loads.	$1,825.00
IASIV1300	Site inverter 300W 12/24VDC; 1RU 19" rack mountable	$675.00
IASMNT1105	Battery charger rackmount kit holds 1 to 2 chargers	$165.00

Accessories

Model	Description	MSRP
Pre-Selectors		
IASPR1001	136-150MHz 4 cavity pre-selector (assembly kit required with FR5000)	$700.00
IASPR1002	150-174MHz 4 cavity pre-selector (assembly kit required with FR5000)	$700.00
IASPR1010	400-440MHz 4 cavity pre-selector (assembly kit required with FR6000)	$700.00
IASPR1011	440-520MHz 4 cavity pre-selector (assembly kit required with FR6000)	$700.00
Racks		
IASMNT1028	28x19, 16U desktop 2-post rack; 350lb weight capacity	$395.00
IASMNT1042	42x19 welded steel 2-post rack; 24U, 1,500lb weight capacity	$750.00
IASMNT1063	63x19 welded steel 2-post rack; 63U, 1,500lb weight capacity	$995.00
IASMNT1070	70x19 welded steel 2-post rack; 40U, 1,500lb weight capacity	$1,025.00
Remote Communication		
CT23 01	PTT microphone adapter to use SM-26 or HM-152 with a PC. Requires BC-147S.	$120.00
CT24	Digital voice converter (supplied with RCFS10 and works with VEPG3)	$1,200.00
RCFS10	Remote Communicator software + CT-24 (digital voice converter unit - each IDAS system requires 1 CT-24)	$1,820.00
Software & Cables		
CSFR5000	FR5000/6000 programming software	$72.00
IASTUN1001	Icom to tune your system products	See Optional Services
OPC1122U	PC to mobile radio programming cloning cable with USB connector.	$99.00
PROG-IAS	Icom to program repeaters with provided icf file or add in basic frequencies	See Optional Services
RSMGR1	Remote system manager software for IDAS MultiTrunk	$4,995.00
Trunking/Network Controller		
UCFR5300	Trunking/Network controller board (1 per repeater)	$545.00

Icom America Inc.

CY5300 – CY6300 Repeaters

All In One IDAS™ Digital & Analog Repeater

SPECS _____

Frequencies:	136-174, 400-470, 450-512MHz
Output Power:	50W at 50% duty cycle
	25W at 100% duty cycle
Channels:	32
Channel Spacing:	6.25 (digital) / 12.5kHz
Optional Configurations:	Repeater only
	Repeater With Duplexer
	Repeater With Pre-Selector
	Repeater With Duplexer &
	Pre-Selector

SPECS & FEATURES _____

Built-in power supply: 13.8V in or 110V AC in or 220V AC in
Battery backup function with user supplied battery
3 RU tall - built-in rack handles 19" standard rack or cabinet mounting
Powder-coated steel chassis
N style bulkhead RF connectors for antennas
Built-in grounding stud
Heavy duty -temperature controlled 80 CFM cooling fan
DB-25 rear connector interface for external equipment
DC terminal strip for easy BBU connection
3 ethernet connections for networking gear or trunking bus connections

Digital Features _____

- IDAS Simulcast (UC-FR5300 & CF-FR5300SC)
- IDAS Trunking-single or multisite (UC-FR5300 board & CF-FR5000 02)
- Receives analog and digital signals on a single channel
- NXDN® Digital Air Interface
- Strongest site search
- Firmware upgrade over IP
- Configuration over IP

SIGNALING_____

Digital RAN Code decode
5-tone & DTMF Encode/Decode (analog)
CTCSS

MULTITRUNK IDAS

Configurations

Model	Description	MSRP
CY5300	136-174MHz VHF 50W, IDAS repeater, analog and digital with internal power supply. Optional single-site trunking, multi-site trunking, and simulcast conventional.	$2,765.00
CY6302	450-512MHz UHF 50W, IDAS repeater, analog and digital with internal power supply. Optional single-site trunking, multi-site trunking, and simulcast conventional.	$2,765.00
CY6301	400-470MHz UHF 50W, IDAS repeater, analog and digital with internal power supply. Optional single-site trunking, multi-site trunking, and simulcast conventional.	$2,765.00

Accessories

Model	Description	MSRP
INSTALL-IAS	Install a component into a repeater or an item into a cabinet	See Optional Services
Antennas		
UX241	GPS antenna	$55.00
Cabinets		
IASMNT1030	30" (17RU) locking indoor cabinet	$1,165.00
IASMNT1046	46" (26RU) locking indoor cabinet	$2,280.00
IASMNT1060	60" (34RU) locking indoor cabinet	$3,190.00
Duplexers		
IASDUP1001	136-148 6 cavity 50W internal duplexer, 3MHz TX-RX separation	$525.00
IASDUP1002	148-160 6 cavity 50W internal duplexer, 3MHz TX-RX separation	$525.00
IASDUP1003	160-174 6 cavity 50W internal duplexer, 3MHz TX-RX separation	$525.00
IASDUP1004	136-148 6 cavity 50W internal duplexer, 5MHz TX-RX separation	$525.00
IASDUP1005	148-160 6 cavity 50W internal duplexer, 5MHz TX-RX separation	$525.00
IASDUP1006	160-174 6 cavity 50W internal duplexer, 5MHz TX-RX separation	$525.00
IASDUP1007	136-148 6 cavity 50W internal duplexer, 10MHz TX-RX separation	$525.00
IASDUP1008	148-160 6 cavity 50W internal duplexer, 10MHz TX-RX separation	$525.00
IASDUP1009	160-174 6 cavity 50W internal duplexer, 10MHz TX-RX separation	$525.00
IASDUP1010	144-190MHz 6 cavity 100W duplexer with 3MHz minimum TX-RX separation	$2,030.00
IASDUP1012	144-174MHz 6 cavity, 350W duplexer, 400kHz TX-RX separation; 32" tall	$4,400.00
IASDUP1015	152-175MHz 50W internal duplexer (6-15MHz minimum separation)	$510.00
IASDUP1036	400-440 6 cavity 50W internal duplexer, 5MHz TX-RX separation	$525.00

Accessories

Model	Description	MSRP
IASDUP1037	440-470 6 cavity 50W internal duplexer, 5MHz TX-RX separation	$525.00
IASDUP1038	470-490 6 cavity 50W internal duplexer, 5MHz TX-RX separation	$525.00
IASDUP1039	490-512 6 cavity 50W internal duplexer, 5MHz TX-RX separation	$525.00
IASDUP1040	400-440 6 cavity 50W internal duplexer, 10MHz TX-RX separation	$525.00
IASDUP1041	440-470 6 cavity 50W internal duplexer, 10MHz TX-RX separation	$525.00
IASDUP1042	470-490 6 cavity 50W internal duplexer, 10MHz TX-RX separation	$525.00
IASDUP1043	490-512 6 cavity 50W internal duplexer, 10MHz TX-RX separation	$525.00
IASDUP50CY	CY5000/6000 internal duplexer assembly kit including RF jumpers and screws	$28.61

IP Linking

Model	Description	MSRP
CFFR5000 02	Multi-site (conventional only) IP repeater link card (requires UC-FR5000 or UCFR5300 board)	$65.00
CFFR5000MT	Multi-site (conventional & trunking) IP repeater link card (requires UC-FR5000 or UCFR5300 board)	$1,375.00
CFFR5300SC	Simulcast IP Repeater link card (requires UC-FR5300)	$1,550.00

Microphones

Model	Description	MSRP
HM152	Standard microphone for low/mid range mobile radios	$44.00
HM152T	DTMF modular microphone for LM mobile radios	$90.00
SM26	Desktop microphone with monitor switch for mobile radios	$90.00

Power Amplifiers

Model	Description	MSRP
IASPA510	144-154MHz 100W out, 2-5W in, 4RU power amplifier; 19" rack mountable	$2,400.00
IASPA520	152-162MHz 100W out, 2-5W in, 4RU power amplifier; 19" rack mountable	$2,400.00

Power Equipment & Rack Mounting

Model	Description	MSRP
IASDP1001	DC distribution panel 12/24VDC with remote power control and SNMP. It can manage up to 12 loads.	$1,825.00
IASIV1300	Site inverter 300W 12/24VDC; 1RU 19" rack mountable	$675.00
IASMNT1105	Battery charger rackmount kit holds 1 to 2 chargers	$165.00

Pre-Selectors

Model	Description	MSRP
IASPR1001	136-150MHz 4 cavity pre-selector (assembly kit required with FR5000)	$700.00
IASPR1002	150-174MHz 4 cavity pre-selector (assembly kit required with FR5000)	$700.00

Accessories

Model	Description	MSRP
IASPR1010	400-440MHz 4 cavity pre-selector (assembly kit required with FR6000)	$700.00
IASPR1011	440-520MHz 4 cavity pre-selector (assembly kit required with FR6000)	$700.00

Racks

Model	Description	MSRP
IASMNT1028	28x19, 16U desktop 2-post rack; 350lb weight capacity	$395.00
IASMNT1042	42x19 welded steel 2-post rack; 24U, 1,500lb weight capacity	$750.00
IASMNT1063	63x19 welded steel 2-post rack; 63U, 1,500lb weight capacity	$995.00
IASMNT1070	70x19 welded steel 2-post rack; 40U, 1,500lb weight capacity	$1,025.00

Remote Communication

Model	Description	MSRP
CT23 01	PTT microphone adapter to use SM-26 or HM-152 with a PC. Requires BC-147S.	$120.00
CT24	Digital voice converter (supplied with RCFS10 and works with VEPG3)	$1,200.00
RCFS10	Remote Communicator software + CT-24 (digital voice converter unit - each IDAS system requires 1 CT-24)	$1,820.00

Repeaters

Model	Description	MSRP
URFR5300	136-174MHz analog/digital IDAS repeater channel module	$1,415.00
URFR6300H	450-512MHz Repeater module	$1,415.00
URFR6300L	400-470MHz Repeater module	$1,415.00

Software & Cables

Model	Description	MSRP
IASTUN1001	Icom to tune your system products	See Optional Services
OPC1122U	PC to mobile radio programming cloning cable with USB connector.	$99.00
PROG-IAS	Icom to program repeaters with provided icf file or add in basic frequencies	See Optional Services
RSMGR1	Remote system manager software for IDAS MultiTrunk	$4,995.00

Trunking/Network Controller

Model	Description	MSRP
UCFR5300	Trunking/Network controller board (1 per repeater)	$545.00

FR5000-FR6000 Series (Discontinued–Limited Availability)

IDAS Digital & Analog Repeater

SPECS _____

Frequencies:	136-174, 400-470, 450-512MHz
Output Power:	50W at 50% duty cycle
	25W at 100% duty cycle
Channels:	32
Channel Spacing:	6.25 (digital) / 12.5kHz
LCD Display:	16-digit dot matrix
Programmable buttons:	5
Mil Spec:	810 C, D, E, F
Scan:	Normal & priority
Size:	19-inch rack mount, 2U height
Weight:	12.3 lb (approx)

FEATURES _____

General Features
- CW ID included
- Automatic battery backup
- DB-25 accessory connector
- Built-In community tone panel
- Internal space for duplexer & pre-selector
- Master/Slave backup operation
- Password Kill/Stun security function
- Temperature alert
- Fits 2 RF modules in 2 unit
- PTT priority setting
- Low voltage alert (analog)

Digital Features:
- IDAS Trunking-single or multisite (UC-FR5000 & CFFR5000)
- Receives analog and digital signals on a single channel
- NXDN® Digital Air Interface
- Strongest site search
- Firmware upgrade over IP
- Configuration over IP

SIGNALING _____

Digital RAN Code decode
5-tone & DTMF Encode/Decode (analog)
CTCSS, DTCS tone

ENCRYPTION _____

Simple Inversion: UT-109R 32 Codes (analog)
Rolling Code: UT-110R 1020 Codes (analog)
IDAS digital mode, 15-bit encryption key provides over 32K codes

WARRANTY _____

2-Year

Internal and external duplexers and pre-selectors available for the FR5000/FR6000

External duplexers available for the FR/UR kits and Two channel kits

MULTITRUNK   IDAS

Configurations

Model	Description	MSRP
FR6000 14	400-470MHz analog/digital IDAS repeater (power supply not included)	$2,165.00
URFR5000 63	136-174MHz analog/digital repeater channel module	$1,205.00

Accessories

Model	Description	MSRP
EXTWARRPT1	1 year extended warranty for a total 3 years	$180.00
EXTWARRPT2	2 year extended warranty for a total 4 years	$325.00
EXTWARRPT3	3 year extended warranty for a total 5 years	$465.00
IASPA550	450-512MHz 100W out, 2-5W in, 4RU power amplifier 19" rack-mountable	$2,750.00
INSTALL-IAS	Install a component into a repeater or an item into a cabinet	See Optional Services
Antenna Switches		
IASANTSW1	Single antenna switch for base station operation	$580.00
IASANTSW2	Dual antenna switch for base station operation	$1,019.00
Cabinets		
IASMNT1030	30" (17RU) locking indoor cabinet	$1,165.00
IASMNT1046	46" (26RU) locking indoor cabinet	$2,280.00
IASMNT1060	60" (34RU) locking indoor cabinet	$3,190.00
Cables		
OPC2390	Cable connecting VEPG4 to FR5000/6000	$200.00
Duplexers		
IASDUP1001	136-148 6 cavity 50W internal duplexer, 3MHz TX-RX separation	$525.00
IASDUP1002	148-160 6 cavity 50W internal duplexer, 3MHz TX-RX separation	$525.00
IASDUP1003	160-174 6 cavity 50W internal duplexer, 3MHz TX-RX separation	$525.00
IASDUP1004	136-148 6 cavity 50W internal duplexer, 5MHz TX-RX separation	$525.00
IASDUP1005	148-160 6 cavity 50W internal duplexer, 5MHz TX-RX separation	$525.00
IASDUP1006	160-174 6 cavity 50W internal duplexer, 5MHz TX-RX separation	$525.00
IASDUP1007	136-148 6 cavity 50W internal duplexer, 10MHz TX-RX separation	$525.00
IASDUP1008	148-160 6 cavity 50W internal duplexer, 10MHz TX-RX separation	$525.00

Accessories

Model	Description	MSRP
IASDUP1009	160-174 6 cavity 50W internal duplexer, 10MHz TX-RX separation	$525.00
IASDUP1010	144-190MHz 6 cavity 100W duplexer with 3MHz minimum TX-RX separation	$2,030.00
IASDUP1012	144-174MHz 6 cavity, 350W duplexer, 400kHz TX-RX separation; 32" tall	$4,400.00
IASDUP1015	152-175MHz 50W internal duplexer (6-15MHz minimum separation)	$510.00
IASDUP1035	400-512 4 cavity 100W duplexer, 3MHz TX-RX separation	$1,895.00
IASDUP1036	400-440 6 cavity 50W internal duplexer, 5MHz TX-RX separation	$525.00
IASDUP1037	440-470 6 cavity 50W internal duplexer, 5MHz TX-RX separation	$525.00
IASDUP1038	470-490 6 cavity 50W internal duplexer, 5MHz TX-RX separation	$525.00
IASDUP1039	490-512 6 cavity 50W internal duplexer, 5MHz TX-RX separation	$525.00
IASDUP1040	400-440 6 cavity 50W internal duplexer, 10MHz TX-RX separation	$525.00
IASDUP1041	440-470 6 cavity 50W internal duplexer, 10MHz TX-RX separation	$525.00
IASDUP1042	470-490 6 cavity 50W internal duplexer, 10MHz TX-RX separation	$525.00
IASDUP1043	490-512 6 cavity 50W internal duplexer, 10MHz TX-RX separation	$525.00
IASDUP1044	440-512 6 cavity 100W duplexer with 3MHz minimum TX-RX separation	$2,050.00
IASDUP50FR	FR5000/6000 internal duplexer assembly kit including RF jumpers, mounting bracket and screws	$100.30

External Speakers

SP35	5W external speaker with 3.5mm speaker jack and 2m cable	$60.00

IP Linking

CFFR5000 02	Multi-site (conventional only) IP repeater link card (requires UC-FR5000 or UCFR5300 board)	$65.00
CFFR5000MT	Multi-site (conventional & trunking) IP repeater link card (requires UC-FR5000 or UCFR5300 board)	$1,375.00

Manuals

94415355	FR6000 USB Drive service manual	$33.33
94415514	FR5000 USB Drive service manual	$33.33

Microphones

HM148G	Self grounding microphone for mobile radios	$67.00
HM148T	DMTF mobile microphone	$110.00
HM152	Standard microphone for low/mid range mobile radios	$44.00
HM152T	DTMF modular microphone for LM mobile radios	$90.00

Accessories

Model	Description	MSRP
SM26	Desktop microphone with monitor switch for mobile radios	$90.00

Mounting hardware

Model	Description	MSRP
IASMNT1005	Internal universal accessory mounting plate - use to mount duplexers/pre-selectors into FR5000/FR6000	$36.00

Power Amplifiers

Model	Description	MSRP
IASE2PA506	440-470MHz 100W 2RU power amplifier; 19" rack mountable; requires 13.8V power supply	$3,800.00
IASE2PA507	470-490MHz 100W 2RU power amplifier; 19" rack mountable; requires 13.8V power supply	$3,800.00
IASE2PA511	470-490MHz 100W 2RU additional power amplifier (fits next to IASE2PA507 in chassis)	$3,400.00
IASPA510	144-154MHz 100W out, 2-5W in, 4RU power amplifier; 19" rack mountable	$2,400.00
IASPA520	152-162MHz 100W out, 2-5W in, 4RU power amplifier; 19" rack mountable	$2,400.00

Power Equipment & Rack Mounting

Model	Description	MSRP
IASDP1001	DC distribution panel 12/24VDC with remote power control and SNMP. It can manage up to 12 loads.	$1,825.00
IASIV1300	Site inverter 300W 12/24VDC; 1RU 19" rack mountable	$675.00
IASMNT1100	20A power supply rackmount kit; holds 1 or 2 power supplies	$27.00
IASMNT1102	19" 2RU rack mount tray for 20A power supply; holds up to 2 units (power supplies not screwed into tray)	$175.00
IASMNT1105	Battery charger rackmount kit holds 1 to 2 chargers	$165.00
IASPS1022	12v/30A power supply/battery charger - 1RU rack mountable with IASMNT1105	$830.00
IASPS1220	20A power supply 13.8VDC; requires tray for use in rack (IASMNT1102)	$200.00

Pre-Selectors

Model	Description	MSRP
IASPR1001	136-150MHz 4 cavity pre-selector (assembly kit required with FR5000)	$700.00
IASPR1002	150-174MHz 4 cavity pre-selector (assembly kit required with FR5000)	$700.00
IASPR1010	400-440MHz 4 cavity pre-selector (assembly kit required with FR6000)	$700.00
IASPR1011	440-520MHz 4 cavity pre-selector (assembly kit required with FR6000)	$700.00
IASPR50FR	FR5000/6000 internal pre-selector assembly kit including RF jumpers, mounting bracket and screws	$145.00

Racks

Model	Description	MSRP
IASMNT1028	28x19, 16U desktop 2-post rack; 350lb weight capacity	$395.00
IASMNT1042	42x19 welded steel 2-post rack; 24U, 1,500lb weight capacity	$750.00

Accessories

Model	Description	MSRP
IASMNT1063	63x19 welded steel 2-post rack; 63U, 1,500lb weight capacity	$995.00
IASMNT1070	70x19 welded steel 2-post rack; 40U, 1,500lb weight capacity	$1,025.00

Remote Communication

Model	Description	MSRP
CT23 01	PTT microphone adapter to use SM-26 or HM-152 with a PC. Requires BC-147S.	$120.00
CT24	Digital voice converter (supplied with RCFS10 and works with VEPG3)	$1,200.00
RCFS10	Remote Communicator software + CT-24 (digital voice converter unit - each IDAS system requires 1 CT-24)	$1,820.00

Software & Cables

Model	Description	MSRP
CSFR5000	FR5000/6000 programming software	$72.00
IASTUN1001	Icom to tune your system products	See Optional Services
OPC1122U	PC to mobile radio programming cloning cable with USB connector.	$99.00
PROG-IAS	Icom to program repeaters with provided icf file or add in basic frequencies	See Optional Services
RSMGR1	Remote system manager software for IDAS MultiTrunk	$4,995.00

Trunking/Network Controller

Model	Description	MSRP
IAS CROSSBAND CONTROLLER	Analog gateway that provides an easy migration path from analog to digital technology	$501.00
UCFR5300	Trunking/Network controller board (1 per repeater)	$545.00

FR5300 - FR6300 Series

IDAS Repeaters

SPECS _____

Frequencies:	136-174, 400-470, 450-512MHz
Output Power:	50W at 50% duty cycle
	25W at 100% duty cycle
Channels:	32
Channel Spacing:	6.25 (digital) / 12.5kHz
LCD Display:	16-digit dot matrix
Programmable buttons:	5
Mil Spec:	810G, C, D, E, F
Scan:	Normal & priority
Size:	19-inch rack mount, 2U height
Weight:	12.7 lb (approx)

FEATURES _____

CW ID included
Automatic battery backup
DB-25 accessory connector
Internal space for duplexer & pre-selector
Fits 2 RF modules into unit
PTT priority setting
Low voltage alert
New CPU/FPGA Platform
RC-FS10 and VEPG4 Compatible

Digital Features:

- IDAS Simulcast (UC-FR5300 & CF-FR5300SC)
- IDAS Trunking-single or multisite (UC-FR5300 board & CF-FR5000)
- Receives analog and digital signals on a single channel
- NXDN® Digital Air Interface
- Strongest site search
- Firmware upgrade over IP
- Configuration over IP
- ±0.1 ppm high frequency stability with 1 pps signal

SIGNALING_____

Digital RAN Code decode
5-tone & DTMF Encode/Decode (analog)
CTCSS, DTCS tone

WARRANTY _____

2-Year

Internal and external duplexers and pre-selectors available for the FR5300/FR6300

Configurations

Model	Description	MSRP
FR5300	136-174 MHz analog/digital, 50W, IDAS Simulcast repeater	$2,165.00
FR6300H	450-512MHz analog/digital, 50W, IDAS repeater	$2,165.00
FR6300L	400-470MHz analog/digital, 50W, IDAS repeater	$2,165.00
URFR5300	136-174MHz analog/digital IDAS repeater channel module	$1,415.00
URFR6300H	450-512MHz Repeater module	$1,415.00
URFR6300L	400-470MHz Repeater module	$1,415.00

Accessories

Model	Description	MSRP
EXTWARRPT1	1 year extended warranty for a total 3 years	$180.00
EXTWARRPT2	2 year extended warranty for a total 4 years	$325.00
EXTWARRPT3	3 year extended warranty for a total 5 years	$465.00
IASPA550	450-512MHz 100W out, 2-5W in, 4RU power amplifier 19" rack-mountable	$2,750.00
INSTALL-IAS	Install a component into a repeater or an item into a cabinet	See Optional Services
Antenna Switches		
IASANTSW1	Single antenna switch for base station operation	$580.00
IASANTSW2	Dual antenna switch for base station operation	$1,019.00
Antennas		
UX241	GPS antenna	$55.00
Cabinets		
IASMNT1030	30" (17RU) locking indoor cabinet	$1,165.00
IASMNT1046	46" (26RU) locking indoor cabinet	$2,280.00
IASMNT1060	60" (34RU) locking indoor cabinet	$3,190.00
Cables		
OPC2390	Cable connecting VEPG4 to FR5000/6000	$200.00
Duplexers		
IASDUP1001	136-148 6 cavity 50W internal duplexer, 3MHz TX-RX separation	$525.00
IASDUP1002	148-160 6 cavity 50W internal duplexer, 3MHz TX-RX separation	$525.00

Accessories

Model	Description	MSRP
IASDUP1003	160-174 6 cavity 50W internal duplexer, 3MHz TX-RX separation	$525.00
IASDUP1004	136-148 6 cavity 50W internal duplexer, 5MHz TX-RX separation	$525.00
IASDUP1005	148-160 6 cavity 50W internal duplexer, 5MHz TX-RX separation	$525.00
IASDUP1006	160-174 6 cavity 50W internal duplexer, 5MHz TX-RX separation	$525.00
IASDUP1007	136-148 6 cavity 50W internal duplexer, 10MHz TX-RX separation	$525.00
IASDUP1008	148-160 6 cavity 50W internal duplexer, 10MHz TX-RX separation	$525.00
IASDUP1009	160-174 6 cavity 50W internal duplexer, 10MHz TX-RX separation	$525.00
IASDUP1010	144-190MHz 6 cavity 100W duplexer with 3MHz minimum TX-RX separation	$2,030.00
IASDUP1012	144-174MHz 6 cavity, 350W duplexer, 400kHz TX-RX separation; 32" tall	$4,400.00
IASDUP1015	152-175MHz 50W internal duplexer (6-15MHz minimum separation)	$510.00
IASDUP1036	400-440 6 cavity 50W internal duplexer, 5MHz TX-RX separation	$525.00
IASDUP1037	440-470 6 cavity 50W internal duplexer, 5MHz TX-RX separation	$525.00
IASDUP1038	470-490 6 cavity 50W internal duplexer, 5MHz TX-RX separation	$525.00
IASDUP1039	490-512 6 cavity 50W internal duplexer, 5MHz TX-RX separation	$525.00
IASDUP1040	400-440 6 cavity 50W internal duplexer, 10MHz TX-RX separation	$525.00
IASDUP1041	440-470 6 cavity 50W internal duplexer, 10MHz TX-RX separation	$525.00
IASDUP1042	470-490 6 cavity 50W internal duplexer, 10MHz TX-RX separation	$525.00
IASDUP1043	490-512 6 cavity 50W internal duplexer, 10MHz TX-RX separation	$525.00
IASDUP1044	440-512 6 cavity 100W duplexer with 3MHz minimum TX-RX separation	$2,050.00
IASDUP50FR	FR5000/6000 internal duplexer assembly kit including RF jumpers, mounting bracket and screws	$100.30

External Speakers

SP35	5W external speaker with 3.5mm speaker jack and 2m cable	$60.00

IP Linking

CFFR5000 02	Multi-site (conventional only) IP repeater link card (requires UC-FR5000 or UCFR5300 board)	$65.00
CFFR5000MT	Multi-site (conventional & trunking) IP repeater link card (requires UC-FR5000 or UCFR5300 board)	$1,375.00
CFFR5300SC	Simulcast IP Repeater link card (requires UC-FR5300)	$1,550.00

Accessories

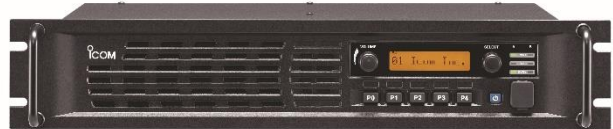| Model	Description	MSRP
Microphones		
HM152	Standard microphone for low/mid range mobile radios	$44.00
SM26	Desktop microphone with monitor switch for mobile radios	$90.00
Mounting hardware		
IASMNT1005	Internal universal accessory mounting plate - use to mount duplexers/pre-selectors into FR5000/FR6000	$36.00
Power Amplifiers		
IASPA510	144-154MHz 100W out, 2-5W in, 4RU power amplifier; 19" rack mountable	$2,400.00
IASPA520	152-162MHz 100W out, 2-5W in, 4RU power amplifier; 19" rack mountable	$2,400.00
Power Equipment & Rack Mounting		
IASDP1001	DC distribution panel 12/24VDC with remote power control and SNMP. It can manage up to 12 loads.	$1,825.00
IASIV1300	Site inverter 300W 12/24VDC; 1RU 19" rack mountable	$675.00
IASMNT1102	19" 2RU rack mount tray for 20A power supply; holds up to 2 units (power supplies not screwed into tray)	$175.00
IASMNT1105	Battery charger rackmount kit holds 1 to 2 chargers	$165.00
IASPS1022	12v/30A power supply/battery charger - 1RU rack mountable with IASMNT1105	$830.00
IASPS1220	20A power supply 13.8VDC; requires tray for use in rack (IASMNT1102)	$200.00
Pre-Selectors		
IASPR1001	136-150MHz 4 cavity pre-selector (assembly kit required with FR5000)	$700.00
IASPR1002	150-174MHz 4 cavity pre-selector (assembly kit required with FR5000)	$700.00
IASPR50FR	FR5000/6000 internal pre-selector assembly kit including RF jumpers, mounting bracket and screws	$145.00
Racks		
IASMNT1028	28x19, 16U desktop 2-post rack; 350lb weight capacity	$395.00
IASMNT1042	42x19 welded steel 2-post rack; 24U, 1,500lb weight capacity	$750.00
IASMNT1063	63x19 welded steel 2-post rack; 63U, 1,500lb weight capacity	$995.00
IASMNT1070	70x19 welded steel 2-post rack; 40U, 1,500lb weight capacity	$1,025.00

Accessories

Model	Description	MSRP
Remote Communication		
CT23 01	PTT microphone adapter to use SM-26 or HM-152 with a PC. Requires BC-147S.	$120.00
CT24	Digital voice converter (supplied with RCFS10 and works with VEPG3)	$1,200.00
RCFS10	Remote Communicator software + CT-24 (digital voice converter unit - each IDAS system requires 1 CT-24)	$1,820.00
Repeaters		
URFR5300	136-174MHz analog/digital IDAS repeater channel module	$1,415.00
URFR6300H	450-512MHz Repeater module	$1,415.00
URFR6300L	400-470MHz Repeater module	$1,415.00
Software & Cables		
OPC1122U	PC to mobile radio programming cloning cable with USB connector.	$99.00
PROG-IAS	Icom to program repeaters with provided icf file or add in basic frequencies	See Optional Services
RSMGR1	Remote system manager software for IDAS MultiTrunk	$4,995.00
Trunking/Network Controller		
IAS CROSSBAND CONTROLLER	Analog gateway that provides an easy migration path from analog to digital technology	$501.00
UCFR5300	Trunking/Network controller board (1 per repeater)	$545.00

FR5200H - FR6200H Series

IDAS Digital & Analog 50W 100% Duty Cycle Repeater

SPECS _____

Frequencies:	136-174, 400-470, 450-512MHz
Output Power:	50W at 100% duty cycle
Channels:	32
Channel Spacing:	6.25 (digital) / 12.5kHz
LCD Display:	12-digit dot matrix
Programmable buttons:	5
Mil Spec:	810 C, D, E, F, G
Scan:	Normal & priority
Size:	19-inch rack mount, 2U height
Weight:	22 lb (approx)

FEATURES _____

General Features

- IDAS, analog FM and mixed mode
- CW ID included
- D-SUB 25-pin accessory connector
- Built-in inversion voice scrambler (Analog mode)
- Built-in audio compander (Analog mode)
- PTT priority setting (Local Mic., external PTT or repeater operation)
- Convenient key assign stickers supplied
- Beat cancel capability
- Low voltage alert (Analog mode)

Digital Features:

- IDAS Trunking-single or multisite (UC-FR5000 & CFFR5000)
- Receives analog and digital signals on a single channel
- NXDN® Digital Air Interface
- Strongest site search
- Firmware upgrade over IP
- Configuration over IP
- ±0.5ppm high frequency stability

SIGNALING _____

Digital RAN Code decode
5-tone & DTMF Encode/Decode (analog)
CTCSS, DTCS tone

ENCRYPTION_____

IDAS digital mode, 15-bit encryption key provides over
    32K codes

WARRANTY _____

2-Year

MULTiTRUNK   IDAS
ICOM DIGITAL ADVANCED SYSTEM

Configurations

Model	Description	MSRP
FR5200H 51	136-174MHz 50W analog, IDAS repeater 100% duty cycle	$3,780.00
FR6200H 61	450-512MHz 50W analog, IDAS repeater 100% duty cycle	$3,780.00

Accessories

Model	Description	MSRP
IASPA550	450-512MHz 100W out, 2-5W in, 4RU power amplifier 19" rack-mountable	$2,750.00
INSTALL-IAS	Install a component into a repeater or an item into a cabinet	See Optional Services
Antenna Switches		
IASANTSW1	Single antenna switch for base station operation	$580.00
IASANTSW2	Dual antenna switch for base station operation	$1,019.00
Cabinets		
IASMNT1030	30" (17RU) locking indoor cabinet	$1,165.00
IASMNT1046	46" (26RU) locking indoor cabinet	$2,280.00
IASMNT1060	60" (34RU) locking indoor cabinet	$3,190.00
Duplexers		
IASDUP1010	144-190MHz 6 cavity 100W duplexer with 3MHz minimum TX-RX separation	$2,030.00
IASDUP1012	144-174MHz 6 cavity, 350W duplexer, 400kHz TX-RX separation; 32" tall	$4,400.00
IASDUP1035	400-512 4 cavity 100W duplexer, 3MHz TX-RX separation	$1,895.00
IASDUP1044	440-512 6 cavity 100W duplexer with 3MHz minimum TX-RX separation	$2,050.00
External Speakers		
SP35	5W external speaker with 3.5mm speaker jack and 2m cable	$60.00
IP Linking		
CFFR5000 02	Multi-site (conventional only) IP repeater link card (requires UC-FR5000 or UCFR5300 board)	$65.00
CFFR5000MT	Multi-site (conventional & trunking) IP repeater link card (requires UC-FR5000 or UCFR5300 board)	$1,375.00
Microphones		
HM152	Standard microphone for low/mid range mobile radios	$44.00
SM26	Desktop microphone with monitor switch for mobile radios	$90.00

Accessories

Model	Description	MSRP
Miscellaneous		
8930091121	Repeater support bracket (FR9010 & FR5200H)	$87.23
Power Amplifiers		
IASE2PA506	440-470MHz 100W 2RU power amplifier; 19" rack mountable; requires 13.8V power supply	$3,800.00
IASE2PA507	470-490MHz 100W 2RU power amplifier; 19" rack mountable; requires 13.8V power supply	$3,800.00
IASE2PA511	470-490MHz 100W 2RU additional power amplifier (fits next to IASE2PA507 in chassis)	$3,400.00
IASPA510	144-154MHz 100W out, 2-5W in, 4RU power amplifier; 19" rack mountable	$2,400.00
IASPA520	152-162MHz 100W out, 2-5W in, 4RU power amplifier; 19" rack mountable	$2,400.00
Power Equipment & Rack Mounting		
IASDP1001	DC distribution panel 12/24VDC with remote power control and SNMP. It can manage up to 12 loads.	$1,825.00
IASIV1300	Site inverter 300W 12/24VDC; 1RU 19" rack mountable	$675.00
IASMNT1100	20A power supply rackmount kit; holds 1 or 2 power supplies	$27.00
IASMNT1102	19" 2RU rack mount tray for 20A power supply; holds up to 2 units (power supplies not screwed into tray)	$175.00
IASMNT1105	Battery charger rackmount kit holds 1 to 2 chargers	$165.00
IASPS1022	12v/30A power supply/battery charger - 1RU rack mountable with IASMNT1105	$830.00
IASPS1220	20A power supply 13.8VDC; requires tray for use in rack (IASMNT1102)	$200.00
Racks		
IASMNT1028	28x19, 16U desktop 2-post rack; 350lb weight capacity	$395.00
IASMNT1042	42x19 welded steel 2-post rack; 24U, 1,500lb weight capacity	$750.00
IASMNT1063	63x19 welded steel 2-post rack; 63U, 1,500lb weight capacity	$995.00
IASMNT1070	70x19 welded steel 2-post rack; 40U, 1,500lb weight capacity	$1,025.00
Software & Cables		
CSFR5000	FR5000/6000 programming software	$72.00
OPC1122U	PC to mobile radio programming cloning cable with USB connector.	$99.00
PROG-IAS	Icom to program repeaters with provided icf file or add in basic frequencies	See Optional Services
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	See Optional Services

Accessories

Model	Description	MSRP
RSMGR1	Remote system manager software for IDAS MultiTrunk	$4,995.00
Trunking/Network Controller		
96916626	Installation kit to install UCFR5000 into FR5200H/FR6200H	$62.27
UCFR5300	Trunking/Network controller board (1 per repeater)	$545.00

FR9010 – FR9020 Series
110W Full Duty Cycle P25 Digital Repeater

SPECS _____

Frequencies:	146-174, 440-475MHz
Output Power:	110W VHF
	100W UHF
Channels:	500 channels
Channel Spacing:	12.5kHz
Display:	5 color LEDs
Mil Spec:	810 G
Size:	18.98x3.46x16.26 in
Weight:	11.0 kg; 24.3 lb (approx)

FEATURES _____

P25 conventional, analog FM and mixed mode
500 memory channels capacity
P25 conventional base mode:

- Emergency
- Call alert
- Radio check
- Radio inhibit (Stun)
- Radio uninhibit (Revive)
- Status update
- Status request
- SBC log (Call log)
- OTAR (Over-the-Air-Rekeying)
- Individual, group and all calls

D-SUB 25-pin accessory connector
Programmable CTCSS, DTCS and NAC
CW ID transmission
High reliability, rugged construction
±1.5ppm frequency stability (Digital mode)
Low standby current (280mA)
P25 self-test mode and key test mode
Automatic error detection
5 color LEDs
2U low profile for rack mount

Comes With _____

DC power cable connector
2-Year warranty

Configurations

Model	Description	MSRP
FR9010 11	146-174MHz 110W P25 repeater	$8,700.00
FR9020 11	440-475MHz 100W P25 repeater	$8,700.00

Accessories

Model	Description	MSRP
EXTWARRPT1	1 year extended warranty for a total 3 years	$180.00
EXTWARRPT2	2 year extended warranty for a total 4 years	$325.00
EXTWARRPT3	3 year extended warranty for a total 5 years	$465.00
Antenna Switches		
IAS ANTRLY-D	1RU dual antenna switch for FR9010/9020	$945.00
IAS ANTRLY-S	1RU single antenna switch for FR9010/9020	$500.00
Cabinets		
IASMNT1030	30" (17RU) locking indoor cabinet	$1,165.00
IASMNT1046	46" (26RU) locking indoor cabinet	$2,280.00
IASMNT1060	60" (34RU) locking indoor cabinet	$3,190.00
Duplexers		
IASDUP1010	144-190MHz 6 cavity 100W duplexer with 3MHz minimum TX-RX separation	$2,030.00
IASDUP1012	144-174MHz 6 cavity, 350W duplexer, 400kHz TX-RX separation; 32" tall	$4,400.00
IASDUP1035	400-512 4 cavity 100W duplexer, 3MHz TX-RX separation	$1,895.00
Manuals		
94416670	FR9010 USB Drive service manual	$33.33
94416673	FR9020 USB Drive service manual	$33.33
Microphones		
HM-9000	Speaker microphone for the FR9010/9020 repeaters	$80.00
Miscellaneous		
8930091121	Repeater support bracket (FR9010 & FR5200H)	$87.23

Accessories

Model	Description	MSRP
Power Amplifiers		
IASE2PA506	440-470MHz 100W 2RU power amplifier; 19" rack mountable; requires 13.8V power supply	$3,800.00
IASE2PA507	470-490MHz 100W 2RU power amplifier; 19" rack mountable; requires 13.8V power supply	$3,800.00
IASE2PA511	470-490MHz 100W 2RU additional power amplifier (fits next to IASE2PA507 in chassis)	$3,400.00
IASPA510	144-154MHz 100W out, 2-5W in, 4RU power amplifier; 19" rack mountable	$2,400.00
IASPA520	152-162MHz 100W out, 2-5W in, 4RU power amplifier; 19" rack mountable	$2,400.00
Power Equipment & Rack Mounting		
IASDP1001	DC distribution panel 12/24VDC with remote power control and SNMP. It can manage up to 12 loads.	$1,825.00
IASIV1300	Site inverter 300W 12/24VDC; 1RU 19" rack mountable	$675.00
IASMNT1102	19" 2RU rack mount tray for 20A power supply; holds up to 2 units (power supplies not screwed into tray)	$175.00
IASMNT1105	Battery charger rackmount kit holds 1 to 2 chargers	$165.00
IASPS1022	12v/30A power supply/battery charger - 1RU rack mountable with IASMNT1105	$830.00
IASPS1220	20A power supply 13.8VDC; requires tray for use in rack (IASMNT1102)	$200.00
Racks		
IASMNT1028	28x19, 16U desktop 2-post rack; 350lb weight capacity	$395.00
IASMNT1042	42x19 welded steel 2-post rack; 24U, 1,500lb weight capacity	$750.00
IASMNT1063	63x19 welded steel 2-post rack; 63U, 1,500lb weight capacity	$995.00
IASMNT1070	70x19 welded steel 2-post rack; 40U, 1,500lb weight capacity	$1,025.00
Software & Cables		
CSFR9010	Programming software for the FR9010/9020	$72.00
OPC-9000	Programming cable for the FR9010/9020 repeaters	$270.00
PROG-IAS	Icom to program repeaters with provided icf file or add in basic frequencies	See Optional Services

RF Technologies – Eclipse2 Series

Software-Defined P25 Repeater / Analog Base Station

SPECS _____

Frequencies:	136-174MHz (VHF), 450-520MHz (UHF)
Output Power Adjustable:	0.5-5W
Channels:	256
Weight:	1.45Kg (Receiver & Exciter); 3.55Kg (Pwr Amp); 4.65Kg (PA 501); 2.6Kg (SMPS-12); 8.0Kg (PS-12); 4.55Kg (Mounting rack)

FEATURES _____

Auto sensing repeater (P25 / Analog) 100% duty cycle operation
Remote diagnostics via ethernet: alarm monitor & report
Battery backup – charging & auto switch over capable
Built-in 35 amp power supply: 240-120V AC operation
IP commander – ethernet programming with rollback feature
Modular design – space saving 4RU
Full duplex analog repeater base station
Firmware upgradeable to P25 via ethernet
IP firmware & software updating capable

SIGNALING _____

DTMF Encoded / Decode
Built-In 2-Tone, 5-Tone

COMES WITH _____

Owner's manual
Warranty: 1 year

Configurations

Model	Description	MSRP
RFT P25 136-174	2-120W P25/analog 136-174MHz repeater with a power supply	$14,700.00
RFT 440-490	100W analog 440-490MHz repeater with a power supply (P25 upgradeable)	$10,395.00

Accessories

Model	Description	MSRP
Antenna Switches		
IAS ANTRLY-D	1RU dual antenna switch for FR9010/9020	$945.00
IAS ANTRLY-S	1RU single antenna switch for FR9010/9020	$500.00
Cabinets		
IASMNT1030	30" (17RU) locking indoor cabinet	$1,165.00
IASMNT1046	46" (26RU) locking indoor cabinet	$2,280.00
IASMNT1060	60" (34RU) locking indoor cabinet	$3,190.00
Duplexers		
IASDUP1010	144-190MHz 6 cavity 100W duplexer with 3MHz minimum TX-RX separation	$2,030.00
IASDUP1012	144-174MHz 6 cavity, 350W duplexer, 400kHz TX-RX separation; 32" tall	$4,400.00
IASDUP1035	400-512 4 cavity 100W duplexer, 3MHz TX-RX separation	$1,895.00
IASDUP1044	440-512 6 cavity 100W duplexer with 3MHz minimum TX-RX separation	$2,050.00
Power Equipment & Rack Mounting		
IASDP1001	DC distribution panel 12/24VDC with remote power control and SNMP. It can manage up to 12 loads.	$1,825.00
IASIV1300	Site inverter 300W 12/24VDC; 1RU 19" rack mountable	$675.00
Racks		
IASMNT1028	28x19, 16U desktop 2-post rack; 350lb weight capacity	$395.00
IASMNT1042	42x19 welded steel 2-post rack; 24U, 1,500lb weight capacity	$750.00
IASMNT1063	63x19 welded steel 2-post rack; 63U, 1,500lb weight capacity	$995.00
IASMNT1070	70x19 welded steel 2-post rack; 40U, 1,500lb weight capacity	$1,025.00
Software & Cables		
IASTUN1001	Icom to tune your system products	See Optional Services

Accessories

Model	Description	MSRP
PROG-IAS	Icom to program repeaters with provided icf file or add in basic frequencies	See Optional Services

ICOM

U.S. Land Mobile Retail
Product Catalog

Icom America Inc.

U.S. Marine Retail

Product & Price Catalog

February 2021

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Contents

VHF Handhelds

M25

VHF Marine Transceiver

SPECS _____

Output Power:	5W, 1W
Waterproof Rating:	IPX7 (submersible protection)
Frequencies:	Tx: 156.025–157.425MHz
	Rx: 156.050–163.275MHz
Usable Channel Groups:	INT, USA, CAN and WX
Type of Emission:	FM (16K0G3E)
Current Drain (at 3.7V DC):	Tx (High): 2.3A
	Rx (at AF max):
	300mA/200mA
Weight:	7.8oz
Versions:	Marine blue, metallic gray, pearl white

FEATURES _____

Float 'n flash
USB charging
11 hours battery life
Large LCD with simple user interface (30% larger than M24)
550mW audio output
4-step battery life indicator
Dual/Tri-watch functions
Weather channel with weather alert
Instant access to Ch. 16 or programmable call channel
Auto scan function
Tag scan
Favorite channel functions
Monitor function opens noise squelch
LCD auto backlighting
AquaQuake draining function

COMES WITH _____

Battery charger (BC217SA)
Belt clip (MB133)
Antenna (FASC59V)
Hand strap
Owner's manual
Warranty: 3 years

IPX7

M25
VHF Marine Transceiver

Configurations

Model	Description	MSRP
M25 GRAY	5W floating marine VHF handheld in metallic gray	$191.00
M25 WHITE	5W floating marine VHF handheld in pearl white	$191.00
M25 BLUE	5W floating marine VHF handheld in marine blue	$191.00

Accessories

Model	Description	MSRP
Antennas		
FASC59V	Standard antenna M25/M37/M93D/M92D	$21.00
Batteries		
BP282	1500mAh Li-ion battery for the M25	$50.00
Belt Clips		
MB133	Alligator type belt clip	$17.00
Chargers		
BC217SA	USB charger; 100-240V with a US style plug	$22.00
Microphones		
HM213	Waterproof floating speaker mic for M25	$120.00
Software & Cables		
CSM25	M25 programming software (requires OPC478UC+OPC1655)	$95.00
OPC1655	Cloning cable adapter for M25/M36/M93D	$47.00
OPC478UC	USB programming cable (2-pin connectors handhelds)	$70.00

M37

VHF Marine Handheld

SPECS _____

Output Power:	6W, 1W
Waterproof Rating:	IP57 rating
Frequencies:	Tx: 156.025-157.425MHz
	Rx: 156.050-163.275MHz
Usable Channel Groups:	INT, USA, CAN, WX
Type of Emission:	16K0G3E
Current Drain:	Tx (at 6.0W/1.0W output):
	2.5A/1.0A
	Rx (Max audio. Inter SP/Exter
	SP): 0.4A/0.2A
Weight:	10.3oz (with BP296)

FEATURES _____

700mW audio output
Channel history function stores the last five channels used for easy recall
Float'n Flash function
Low Battery Alert function
Voice Loud and Mute function enables to temporary maximize/mute the
    volume
AquaQuake™ function prevents audio degradation from a water-logged
    speaker
Dualwatch and Tri-Watch functions
Favorite Channel function
Instant access to channel 16 and the Call channel
Weather channels with Weather Alert function

COMES WITH _____

Battery pack (BP296)
Trickle charger (BC235)
AC adapter (BC217SA)
Belt clip (MB133)
Antenna (FASC59V)
Hand strap
Owner's manual
Warranty: 3 years

M37
VHF Marine Handheld

Configurations

Model	Description	MSRP
M37	6W marine VHF floating handheld with battery, charger included	$277.00

Accessories

Model	Description	MSRP
Antennas		
FASC59V	Standard antenna M25/M37/M93D/M92D	$21.00
Batteries		
BP296	3.6V 2350mAh Li-Ion battery (M37)	$75.00
BP297	Alkaline case for M37 (3 x AAA)	$30.00
Belt Clips		
MB133	Alligator type belt clip	$17.00
Carrying Cases		
NCP1	Nylon chest pack	$50.00
Chargers		
BC217SA	USB charger; 100-240V with a US style plug	$22.00
BC235	Desktop trickle charger (requires BC217SA)	$21.00
BC238	6-unit gang charger for the M37	$430.00
Microphones		
HM213	Waterproof floating speaker mic for M25	$120.00

M73

VHF Marine Transceiver

SPECS _____

Output Power:	6W, 3W, 1W
Waterproof Rating:	IPX8 (submersible)
Frequencies:	Tx: 156.025-157.425MHz
	Rx: 156.050-163.275MHz
Usable Channel Groups:	INT, USA, CAN, WX
Type of Emission:	FM (16K0G3E)
Current Drain:	Tx (at 6W output): 1.5A
	Rx (Max.audio):
	450mA/250mA
Weight:	11.3oz (with BP245N)

FEATURES _____

Both Versions:
- Slim, hourglass body and wide viewing angle LCD
- IPX8 Submersible Plus™
- 700mW loud audio
- 6W RF output power
- AquaQuake™ water draining function
- Dual/Tri-Watch function for monitoring Channel 16 and/or call channel
- 4 level battery indicator
- Favorite channel and tag scan functions
- Auto power save function

Plus Version:
- Last call voice recording
- Bidirectional active noise cancelling

COMES WITH _____

Antenna (FAS64V)
Battery pack (BP245N)
Belt clip (MB103)
Cigarette lighter cable (CP25H)
Rapid charger (BC210)
Hand strap
Owner's manual
Warranty: 3 years

M73
VHF Marine Transceiver

Configurations

Model	Description	MSRP
M73	6W IPX8 submersible handheld	$315.00
M73 PLUS	6W IPX8 submersible handheld with built-in active noise cancelling and voice recording	$390.00

Accessories

Model	Description	MSRP
Antennas		
AD92SMA	Antenna connector adapter to connect a BNC-type antenna	$20.00
FAS64V	Standard antenna for the M72/M73 (4 17/32" or 115mm)	$17.00
Batteries		
BP245H	7.4V 2000mAh Li-Ion battery for M72/M73	$115.00
Belt Clips		
MB103	Alligator belt clip	$12.50
MB86	Swivel belt clip that screws into back of radio	$12.00
MB96N	Swivel belt hanger to use with standard belt clip	$37.00
Cables		
OPC515L	DC power cable for single unit rapid chargers	$26.00
OPC656	DC power cable for gang charger	$12.00
Chargers		
AD129	Adapter cup for BC197 gang charger for M73	$27.00
BC123SA	AC adapter for rapid chargers; 100-240V with US style plug	$25.00
BC123SE	AC adapter for rapid chargers; 100-240V with Euro style plug	$26.00
BC157S	AC adapter for gang chargers; 100-240V with US style plug	$150.00
BC157SE	AC adapter for gang chargers; 100-240V with Euro style plug	$130.00
BC197 32	Six unit charger for radios with the BP245N Li-Ion battery (includes AC adapter and cups installed); 100-240V with US style plug	$515.00
BC210	Rapid charger for the BP-245 includes AC adapter with US plug	$80.00
CP23L	12V cigarette lighter cable for use with rapid chargers	$38.00
Headsets		
HS94	Earpiece headset; use with VS/OPC2004/OPC2006/OPC1392	$25.00
HS95	Headset with boom mic; use with VS/OPC2004/OPC2006/OPC1392	$215.00
HS97	Earphone with throat mic headset; use with VS/OPC2004/OPC2006/OPC1392	$42.00
OPC1392	Headset adapter to use with HS94/95/97 for the M73/M72/GM1600/M90	$75.00
Microphones		
HM167	Lightweight IPX8 waterproof speaker mic M73/GM1600/M92/M72	$120.00
HM202	Compact IPX7 waterproof speaker mic M73/M72	$130.00
Software & Cables		
CSM73	Programming software for the M73	$95.00
OPC478UC	USB programming cable (2-pin connectors handhelds)	$70.00
OPC922	Cloning cable adapter for M72/M73/M92D	$65.00

M85

VHF Marine Transceiver

SPECS _____

Output Power:
    Marine: 5W, 3W, 1W
    Land mobile: 2W, 1W
Waterproof Rating: IP67
Frequencies:
    Marine Tx: 156.025-157.425MHz
    Marine Rx: 156.050-163.275MHz
    LMR Tx/Rx: 136.000-174.000MHz
Usable Channel Groups: USA, INT,CAN, WX
                       100 LMR
Type of Emission:
    Marine   16K0G3E
    LMR   16K0F3E
                   11K0F3E
Current Drain: Tx (at 5W output): 1.5A
                   Rx (at AF max): 0.45A
Weight: 8.7oz

FEATURES _____

Compact and lightweight
Covers 136-174MHz land mobile frequency
Up to 100 programmable land mobile channels
700mW loud audio
Three emergency functions: MOB alarm, Man Down, and Lone Worker
Multi-function button allows user to change from marine to land mobile
    channels or use the scrambler function
Buil-in voice scrambler (32-code)
AquaQuake™
Internal VOX capability
Weather channel receiving
Priority scan
Dual/Tri-watch function for monitoring CH16 and/or call channels

COMES WITH _____

Battery pack (BP290)
Battery charger (BC227)
AC adapter (BC123SA)
Antenna (FAS58V)
Belt clip (MBB3)
Hand strap
Owner's manual
Warranty: 3 years

M85
VHF Marine Transceiver

Configurations

Model	Description	MSRP
M85	Marine VHF 5W handheld; 100 land mobile programmable channels (2W)	$440.00

Accessories

Model	Description	MSRP
Antennas		
FASC58V	Standard antenna M24/M34/M36/M85	$16.00
Batteries		
BP290	2010mAh li-ion battery	$105.00
BP291	Battery case 5 x AA	$50.00
BP294	3150mAh li-ion battery for the F52D/F62D/M85	$165.00
Belt Clips		
MB136	Swivel belt clip for F1000/F3400/F7010/F52D/M85 series	$15.00
MB96N	Swivel belt hanger to use with standard belt clip	$37.00
MBB3	Standard belt clip	$16.00
Cables		
OPC515L	DC power cable for single unit rapid chargers	$26.00
OPC656	DC power cable for gang charger	$12.00
Carrying Cases		
LCF1052S	Leather case with swivel belt loop and D-ring for the F52D	$50.00
NCF1052C	Nylon case for the F52D with a clip	$27.00
Chargers		
BC123SA	AC adapter for rapid chargers; 100-240V with US style plug	$25.00
BC123SE	AC adapter for rapid chargers; 100-240V with Euro style plug	$26.00
BC157S	AC adapter for gang chargers; 100-240V with US style plug	$150.00
BC157SE	AC adapter for gang chargers; 100-240V with Euro style plug	$130.00
BC214-1	Six gang charger (includes AC adapter with US plug)	$510.00
BC214-1E	Six gang charger (includes AC adapter with Euro plug)	$510.00
BC225	Smart rapid charger; 100-240V with a US style plug	$135.00
BC226	Connectable rapid charger (connect up to 6) and requires the BC228 AC adapter	$75.00
BC227	Rapid charger that goes into trickle mode at a 80% charge (US Plug)	$67.00
BC228	AC adapter for BC226	$70.00
CP23L	12V cigarette lighter cable for use with rapid chargers	$38.00
Headsets		
HS94	Earpiece headset; use with VS/OPC2004/OPC2006/OPC1392	$25.00
HS95	Headset with boom mic; use with VS/OPC2004/OPC2006/OPC1392	$215.00
HS97	Earphone with throat mic headset; use with VS/OPC2004/OPC2006/OPC1392	$42.00
VS5MC	VOX/PTT switch cable to use with headset (HS94/95/97)	$150.00
Microphones		
HM184H	14-pin loud waterproof speaker mic (no accessory jack)	$118.00
HM222	IP68 waterproof speaker microphone w/3.5mm accessory jack (14-pin connector)	$85.00

M85
VHF Marine Transceiver

Accessories

Model	Description	MSRP
HM222H	IP68 waterproof speaker microphone w/3.5mm accessory jack (14-pin connector)	$145.00
HM236	Compact waterproof speaker microphone	$125.00
HM-HD7I6WP	Large waterproof, high gain speaker microphone with 3.5mm accessory jack (14-pin connector)	$120.00
SP27	Acoustic tube earphone with a clip (3.5mm)	$35.00
SP29	Earhook type earphone with 3.5mm plug	$25.00
SP40	Earphone with 3.5mm plug	$30.00
SP-AT1	Single pin listen only w/QD acoustic tube (9", 3.5mm L-shape)	$31.50

Miscellaneous

Model	Description	MSRP
AD118	14-pin ACC adapter to use with Hirose plug accessories	$80.00
AD135	3.5mm earphone jack adapter that plugs into a 14-pin connector	$42.00

Software & Cables

Model	Description	MSRP
CSM85	M85 programming software	$100.00
OPC1862	USB programming cloning cable for radios with 14-pin connector	$189.00
RSBC225	Battery management software for the BP-283/284/BP290. Can connect up to 30 BC-225 chargers to it.	$250.00

Wire Kits

Model	Description	MSRP
EH15B	Earphone with 2.5mm plug to use with HM-163MC	$30.00
HM163MC	Lapel mic with 2.5mm earphone jack	$200.00
SP26	Tube earphone with 2.5mm plug to use with HM-163MC/HM-153LS	$25.00
SP28	Earhook type earphone with 2.5mm plug to use with HM-163MC/HM-153LS	$25.00
SP32	Tube adapter for use with the EH-15B	$30.00

M85IS

VHF Intrinsically Safe Marine Transceiver

SPECS _____

Output Power:
    Marine: 5W, 3W, 1W
    Land mobile: 2W, 1W
Waterproof Rating: IP67
Frequencies:
    Marine Tx: 156.025-157.425MHz
    Marine Rx: 156.050-163.275MHz
    LMR Tx/Rx: 136.000-174.000MHz
Usable Channel Groups: USA, INT,CAN, WX
                        100 LMR
Type of Emission:
    Marine   16K0G3E
    LMR   16K0F3E
                     11K0F3E
Current Drain: Tx (at 5W output): 1.5A
                        Rx (at AF max): 0.45A
Weight: 8.7oz

FEATURES _____

Compact and lightweight
Covers 136-174MHz land mobile frequency
Up to 100 programmable land mobile channels
700mW loud audio
Three emergency functions: MOB alarm, Man Down, and Lone Worker
Multi-function button allows user to change from marine to land mobile
    channels or use the scrambler function
Buil-in voice scrambler (32-code)
AquaQuake™
Internal VOX capability
Weather channel receiving
Priority scan
Dual/Tri-watch function for monitoring CH16 and/or call channels
Intrinsically Safe: meets ANSI/TIA-4950-A, ANSI/UL 121201 requirements
    for:
    o   Intrinsically safe: Class I, Division 1, Groups C, D:
    o   Class II, Division 1, Groups E, F, G;
    o   Class III. T3C.
    o   Non-incendive: Class I, Division 2, Groups A, B, C, D

COMES WITH _____

Battery pack (BP292IS)
Battery charger (BC227)
AC adapter (BC123SA)
Antenna (FAS58V)
Belt clip (MBB3)
Hand strap
Owner's manual
Warranty: 3 years

Note: The M85IS should only be used with the specified Intrinsically Safe options. UL certified the M85IS and accessories under the official names on the boxes and UL stickers M85UL, BP292UL, and HM184UL.

M85IS

VHF Intrinsically Safe Marine Transceiver

Configurations

Model	Description	MSRP
M85UL	Intrinsically safe marine VHF 5W handheld; 100 land mobile programmable channels (2W)	$610.00

Accessories

Model	Description	MSRP
Antennas		
FASC58V	Standard antenna M24/M34/M36/M85	$16.00
Batteries		
BP292IS	2010mAh li-ion intrinsically safe battery	$225.00
Belt Clips		
MB136	Swivel belt clip for F1000/F3400/F7010/F52D/M85 series	$15.00
MB96N	Swivel belt hanger to use with standard belt clip	$37.00
MBB3	Standard belt clip	$16.00
Cables		
OPC515L	DC power cable for single unit rapid chargers	$26.00
OPC656	DC power cable for gang charger	$12.00
Carrying Cases		
LCF1052S	Leather case with swivel belt loop and D-ring for the F52D	$50.00
NCF1052C	Nylon case for the F52D with a clip	$27.00
Chargers		
BC123SA	AC adapter for rapid chargers; 100-240V with US style plug	$25.00
BC123SE	AC adapter for rapid chargers; 100-240V with Euro style plug	$26.00
BC157S	AC adapter for gang chargers; 100-240V with US style plug	$150.00
BC157SE	AC adapter for gang chargers; 100-240V with Euro style plug	$130.00
BC214-1	Six gang charger (includes AC adapter with US plug)	$510.00
BC214-1E	Six gang charger (includes AC adapter with Euro plug)	$510.00
BC226	Connectable rapid charger (connect up to 6) and requires the BC228 AC adapter	$75.00
BC227	Rapid charger that goes into trickle mode at a 80% charge (US Plug)	$67.00
BC228	AC adapter for BC226	$70.00
CP23L	12V cigarette lighter cable for use with rapid chargers	$38.00
Microphones		
HM184IS	14-pin intrinsically safe approved waterproof speaker mic (no accessory jack)	$150.00
Software & Cables		
CSM85	M85 programming software	$100.00
OPC1862	USB programming cloning cable for radios with 14-pin connector	$189.00
RSBC225	Battery management software for the BP-283/284/BP290. Can connect up to 30 BC-225 chargers to it.	$250.00

M94D

VHF Marine Transceiver

SPECS _____

Output Power:	6W
Waterproof Rating:	IPX7
Frequencies:	Tx: 156.025-157.425 MHz
	Rx: 156.050-163.275 MHz
Usable Channel Groups:	INT, USA, CAN, WX
Type of Emission:	FM (16K0G3E)
	DSC (16K0G2B)
	AIS (16K0GXW)
Current Drain:	Tx (6W/1W output):
	1500mA/700mA
	Rx (Inter SP/Exter SP Max
	audio): 700mA/350mA
Weight:	12.6 oz (with BP306 and
	antenna)

FEATURES _____

Built-in AIS and DSC
Simplified navigation system
Up to 50 plottable waypoints
Up to 10 hours of battery life
Active noise cancelling technology
Float'n Flash
Aquaquake™ draining function
Dualwatch and Tri-watch functions
Supports 4-digit channels
Weather channel receive
Favorite 4-digit channels

COMES WITH _____

Antenna (FASC59V)
Battery pack (BP306)
Battery charger (BC251)
AC adapter (BC242)
Belt Clip (MB-133)
Hand strap

IPX7   Meets MIL-STD 810

M94D

VHF Marine Transceiver

Configurations

Model	Description	MSRP
M94D	6 Watt VHF transceiver with built-in AIS & DSC.	$486.00

Accessories

Model	Description	MSRP
Antennas		
FASC59V	Standard antenna M25/M37/M93D/M92D	$21.00
Belt Clips		
MB133	Alligator type belt clip	$17.00
Chargers		
BC123SA	AC adapter for rapid chargers; 100-240V with US style plug	$25.00
BC242	AC adapter	$25.00
CP23L	12V cigarette lighter cable for use with rapid chargers	$38.00
Microphones		
HM165	Waterproof speaker mic for M34/M36/M93D	$110.00
HM228	Compact IPX7 speaker mic for M93D	$98.00

VHF Fixed Mount

Icom America Inc.

M200 EXPORT ONLY

VHF Marine Transceiver

SPECS _____

Output Power:	25W, 1W (High, low)
Waterproof Rating:	IPX7 (submersible protection)
Frequencies:	Tx: 156.025–162.000MHz
	Rx: 156.025–162.025MHz
Usable Channel Groups:	USA, INT, CAN
Type of Emission:	FM (16K0G3E)
Current Drain:	Tx (at 25W output): 5.5A
	Rx (Max audio): 200mA
Weight:	1.7lb

FEATURES _____

Dualwatch and tri-watch function
Favorite channel function
Built-in ultra-stable TCXO for reliable frequency stability
Channel operation with the hand microphone
Instant-access button for Channel 16 and call channel
Priority scan and normal scan
Built-in low voltage indicator
Keypad backlighting

COMES WITH _____

Hand microphone (HM164B)
DC Power cable (OPC891A)
Mounting bracket kit
Owner's manual
Warranty: 3 years

IPX7

M200 EXPORT ONLY

VHF Marine Transceiver

Configurations

Model	Description	MSRP
M200	VHF fixed mount marine radio - EXPORT ONLY NOT FCC APPROVED	$255.00

Accessories

Model	Description	MSRP
Microphones		
HM164B	Standard black hand mic M200/M304/M412	$44.00
Miscellaneous		
MB92	Dust cover M200/M304/402 series	$10.00
Mounting Hardware		
MB69	Flush mount kit for mounting controller or speaker to a panel M200/M412/M302/M402/M45/M304/M422	$39.00

M220 EXPORT ONLY

VHF Marine Transceiver

SPECS _____

Output Power:	25W, 1W (High, low)
Waterproof Rating:	IPX7
Frequencies:	Tx: 156.025–157.425MHz
	Rx: 156.025–163.275MHz
Usable Channel Groups:	USA, INT, CAN
Type of Emission:	FM (16K0G3E), DSC (16k0G2B)
Current Drain:	Tx (at 25W output): 5A
	Rx (Max audio) 1.2A
Weight:	1.5lb

FEATURES _____

Built-in Class D DSC with a CH70 dedicated receiver
Tag scan and favorite channel functions
Dual and tri watch function
Priority scan
Display and keypad backlight
Weather channel alert
Built-In GPS
AquaQuake™

COMES WITH _____

Hand microphone (HM237B)
SC Power cable
Mounting bracket kit

IPX7

M220 EXPORT ONLY

VHF Marine Transceiver

Configurations

Model	Description	MSRP
M220	VHF fixed mount marine radio - EXPORT ONLY NOT FCC APPROVED	$238.00

Accessories

Model	Description	MSRP
External Speakers		
SP37	40W hailer/speaker for fixed mounts; 4 ohm, extra UV protecting, all stainless steel hardware, heavy duty mounting bracket	$66.00
Microphones		
HM237B	Hand microphone for the M220	$65.00
Mounting Hardware		
MBF5	Flush mount kit for M330 series	$30.00

M400BB

VHF Marine Transceiver

SPECS _____

Output Power:	25W, 1W
Waterproof Rating:	IPX7 (submersible)
Frequencies:	Tx: 156.025–157.425MHz
	Rx: 156.050–163.275MHz
	Ch. 70: 156.525MHz
Usable Channel Groups:	USA, INT, CAN, WX
Type of Emission:	FM (16K0G3E)
	DSC (16K0G2B)
Current Drain:	Tx (at 25W output): 5.5A
	Rx (Max audio): 3.5A
Weight:	1.83lb (M400BB)
	14.1oz (HM195B/SW)

FEATURES _____

Space-saving, two-piece configuration
New intuitive user interface
Active noise cancelling
10W loud audio, public address and foghorn
Built-in class D DSC
Common NMEA interface
AIS target call with MA-500TR
MarineCommander™ compatible
AquaQuake™ water draining function
Dual/tri-watch function for monitoring Ch.16 and/or call channel

COMES WITH _____

Commandmic (HM195B/SW)
DC Power cable
Owner's manual
Warranty: 3 years

IPX7

M400BB
VHF Marine Transceiver

Configurations

Model	Description	MSRP
M400BB	Black box marine VHF fixed mount with black Command Mic	$590.00
M400BB SW	Black box marine VHF fixed mount with white Command Mic	$590.00

Accessories

Model	Description	MSRP
External Speakers		
SP37	40W hailer/speaker for fixed mounts; 4 ohm, extra UV protecting, all stainless steel hardware, heavy duty mounting bracket	$66.00
Microphones		
HM195B	CommandMic IV with yellow backlit LCD in black	$203.00
HM195GB	CommandMic IV with white backlit LCD in black	$203.00
HM195GW	CommandMic IV with white backlit LCD in super white	$203.00
HM195SW	Command Mic IV with yellow backlit LCD in super white	$203.00
OPC1541	6.1m/20ft extension cable to use with the COMMANDMIC III/IV with the OPC1540. Up to 2 OPC-1541 can be connected.	$75.00
Miscellaneous		
IUK2CMA	Dual COMMANDMIC adapter	$465.00
Navigation		
MA510TR	AIS transponder with GPS navigation function, and NMEA 2000 connectivity.	$1,350.00
Software & Cables		
CSM400BB	M400BB programming software. Requires OPC-478UC + OPC-980 cables.	$125.00
OPC478UC	USB programming cable (2-pin connectors handhelds)	$70.00
OPC980	Cloning cable adapter for M424/M504/M604	$37.00

M330 – M330G

VHF Marine Transceiver

SPECS _____

Output Power:	25W, 1W (High, low)
Waterproof Rating:	IPX7 (Waterproof protection)
Frequencies:	Tx: 156.025–161.600MHz
	Rx: 156.050–163.275MHz
	Ch70: 156.525MHz
Usable Channel Groups:	USA, CAN, INT and WX
Type of Emission:	FM (16K0G3E)
	DSC (16K0G2B)
Current Drain:	Tx (at 25W output): 5A
	Rx (AF max): 1A
Weight:	730g; 1.6lb
Versions:	Black or super white
	GPS or non GPS

FEATURES _____

Built-in GPS receiver with a supplied GPS antenna (G version)
Built-in Class D DSC with CH70 dedicated receiver
Intuitive user interface
Common NMEA interface for external GPS/NAV connection
MA-500TR Class B AIS transponder compatible
Tag scan and favorite channel functions
Dual/tri-watch function for monitoring CH16 and/or call channel
Priority scan function
Display and keypad backlighting
External speaker connection
AquaQuake™ draining function

COMES WITH _____

Hand microphone (HM235B/W)
DC power cable
Mounting bracket kit
Owner's manual
Warranty: 3 years

IPX7

Icom America Inc.
U.S. Marine Retail: Product & Price Catalog

M330 – M330G
VHF Marine Transceiver

Configurations

Model	Description	MSRP
M330 11	Black marine compact VHF fixed mount	$245.00
M330 21	White marine compact VHF fixed mount	$245.00
M330G 31	Black marine compact VHF fixed mount with built-in GPS receiver and supplied GPS antenna	$328.00
M330G 41	Super white marine compact VHF fixed mount with built-in GPS receiver and supplied GPS antenna	$328.00

Accessories

Model	Description	MSRP
Microphones		
HM235B	Black microphone for M330	$55.00
HM235W	White microphone for M330	$55.00
Mounting Hardware		
MBF5	Flush mount kit for M330 series	$30.00
Navigation		
MA510TR	AIS transponder with GPS navigation function, and NMEA 2000 connectivity.	$1,350.00
Software & Cables		
CSM330	M330 programming software	$100.00

M424G

VHF Marine Transceiver

SPECS _____

Output Power:	25W, 1W
Waterproof Rating:	IPX7 (submersible protection)
Frequencies:	Tx: 156.025–157.425MHz
	Rx: 156.050–163.275MHz
Usable Channel Groups:	USA, CAN, INT, WX
Type of Emission:	FM (16K0G3E)
	DSC (16K0G2B)
Current Drain:	Tx 25W output: 5.5A
	Rx AF Max External SP: 5.0A
	Internal SP: 1.5A
Weight:	2.65lb

FEATURES _____

Built-in GPS
Active noise canceling
10W loud audio, public address and foghorn
Built-in class D DSC
Optional COMMANDMICIV™ HM195B/SW or HM195GB/GSW
Common GPS/NAV interface
MarineCommander™ compatible
MA-500TR AIS transponder compatible
AquaQuake™ water draining function
Weather channel with alert function
Dualwatch and Tri-watch functions for monitoring Ch.16 and/or call channel
Priority and normal scan
Built-in attenuator for local communication

COMES WITH _____

Hand microphone (HM-205)
DC power cable
Mounting bracket kit
Owner's manual
Warranty: 3 years

IPX7

M424G
VHF Marine Transceiver

Configurations

Model	Description	MSRP
M424G BLACK	Black fixed mount	$475.00
M424G WHITE	Super white fixed mount	$475.00

Accessories

Model	Description	MSRP
External Speakers		
SP24	External speaker (4x4") for marine fixed mount radios (7W)	$57.00
SP35	5W external speaker with 3.5mm speaker jack and 2m cable	$60.00
SP37	40W hailer/speaker for fixed mounts; 4 ohm, extra UV protecting, all stainless steel hardware, heavy duty mounting bracket	$66.00
Microphones		
HM195B	CommandMic IV with yellow backlit LCD in black	$203.00
HM195GB	CommandMic IV with white backlit LCD in black	$203.00
HM195GW	CommandMic IV with white backlit LCD in super white	$203.00
HM195SW	Command Mic IV with yellow backlit LCD in super white	$203.00
HM196B	Standard hand microphone for M424 and works with the M424G	$85.00
HM196SW	Standard hand microphone for M424 and works with the M424G	$85.00
HM205B	Speaker microphone M424G/M506	$85.00
OPC1540	6.1m/20ft connection cable to use with the COMMANDMIC III/IV (mounting hardware required)	$90.00
OPC1541	6.1m/20ft extension cable to use with the COMMANDMIC III/IV with the OPC1540. Up to 2 OPC-1541 can be connected.	$75.00
Miscellaneous		
IUK2CMA	Dual COMMANDMIC adapter	$465.00
Mounting Hardware		
MB132	Flush mount kit for M324/M424G/MA510TR	$39.00
Navigation		
MA510TR	AIS transponder with GPS navigation function, and NMEA 2000 connectivity.	$1,350.00
Software & Cables		
CSM92D/M424	Programming software for M92D & M424	$90.00
OPC478UC	USB programming cable (2-pin connectors handhelds)	$70.00
OPC980	Cloning cable adapter for M424/M504/M604	$37.00

M605

VHF Marine Transceiver

SPECS _____

Output Power:	25W, 1W
Waterproof Rating:	IPX8
Frequencies:	Tx: 156.025–161.600 MHz
	Rx: 156.025–162.000 MHz
	CH70: 156.525 MHz
	Ais1, 2: 161.975, 162.025 MHz
Usable Channel Groups:	USA, CAN, INT and WX
Type of Emission:	16K0G3E (FM), 16K0G2B (DSC)
Current drain:	Tx (at 25W output): 6.0A
	Rx (Maximum audio): 8.0A
Weight:	3.30lb
Versions:	Radio without AIS receiver
	Radio with AIS receiver

FEATURES _____

30W listen back hailer
Built-in horn/foghorn
GNSS antenna included
Configuration flexibility
- o   M605 + three COMMANDMICS
- o   M605 + two COMMANDMICS + one Command Head
- o   M605 + two Command Heads + one COMMANDMIC

4.3" wide color TFT LCD
Night mode ensures readability in dark places
Intuitive user interface
NMEA2000™ and NMEA0183 connectivity
Class D DSC
Active noise cancelling
Last call voice recording

COMES WITH _____

Radio
Hand microphone (HM-205RB)
GNSS antenna (UX-241)
PC power cable
Mounting bracket kit
Warranty: 3 years

IPX8

M605
VHF Marine Transceiver

Configurations

Model	Description	MSRP
M605 11	VHF fixed mount with color display and rear mic connector	$1,225.00
M605 21	VHF fixed mount with AIS, color display, and rear mic connector	$1,530.00

Accessories

Model	Description	MSRP
Antennas		
UX241	GPS antenna	$55.00
Command Head		
OPC2377	32.8ft extension cable for RC-M600	$90.00
OPC2383	32.8ft connection cable for RC-M600	$90.00
RCM600	Command head for M605. Comes with OPC-2383 & HM-205RB.	$640.00
Encryption & Internal Modules		
UT112	Digital voice scrambling unit - 32 Codes	$160.00
External Speakers		
SP24	External speaker (4x4") for marine fixed mount radios (7W)	$57.00
SP35	5W external speaker with 3.5mm speaker jack and 2m cable	$60.00
SP37	40W hailer/speaker for fixed mounts; 4 ohm, extra UV protecting, all stainless steel hardware, heavy duty mounting bracket	$66.00
GPS		
MXG5000S	GPS receiver	$330.00
Microphones		
HM195B	CommandMic IV with yellow backlit LCD in black	$203.00
HM195GB	CommandMic IV with white backlit LCD in black	$203.00
HM195GW	CommandMic IV with white backlit LCD in super white	$203.00
HM195SW	Command Mic IV with yellow backlit LCD in super white	$203.00
HM205RB	Speaker microphone for M506 rear connector & M605	$115.00
OPC1000	6.1m/20ft connection cable to use with the HM126RB/RG/HM205RB/HM157 (mounting hardware req.)	$80.00
OPC1540	6.1m/20ft connection cable to use with the COMMANDMIC III/IV (mounting hardware required)	$90.00
OPC1541	6.1m/20ft extension cable to use with the COMMANDMIC III/IV with the OPC1540. Up to 2 OPC-1541 can be connected.	$75.00
OPC2384	12-pin to 8-pin conversion cable to connect HM195 to M605 (1 cable required per HM195)	$50.00
OPC999	20ft extension cable to connect COMMANDMIC II or HM-205RB to the OPC1000 and radio. Connect up to two HM205RB with M506 or one with M605.	$55.00
Miscellaneous		
UX231	AIS receive board for M506	$200.00
UX251	AIS receiver unit for the M605	$200.00

M605

VHF Marine Transceiver

Accessories

Model	Description	MSRP
Mounting Hardware		
MB75	Flush mount kit for mounting controller or speaker to a panel for M506/M605/M802/M504/M604/MA510TR/M502/M602	$37.00
Navigation		
MA510TR	AIS transponder with GPS navigation function, and NMEA 2000 connectivity.	$1,350.00
Software & Cables		
CSM605	Programming software for the M605. Includes MMSI reset dongle. Requires OPC2382 + OPC478UC for programming.	$100.00
OPC2382	Conversion cable to program M605 (links OPC478UC to M605)	$27.00
OPC478UC	USB programming cable (2-pin connectors handhelds)	$70.00

HM195/G

COMMANDMIC™ IV Remote-Control Microphone

HM195B/SW – Orange backlighting

HM195GB/GW – White backlighting

Total control of all communications and Class D DSC
   functions.
Menu system provides easy and intuitive operation.
The bottom line of the dot-matrix display shows the
   software key functions, which can be toggled with the
   left and right buttons.
The directional keypad allows you to perform various
   operations and settings
IPX7 Submersible rating
Superior audio performance
AquaQuake™

Size (W × H × D): 2.66 × 5.69 × 1.46 in.
Weight (approx.; except cables): 14.1 oz
Supplied accessories:
- 20ft connection cable (OPC-1540)
- Mounting hardware for OPC-1540
  - Connector cap (part#8930069360)
  - Five screws (part#8810010710)
  - C-plate (part#8930069220)
  - Mic hanger (part#8950006870)

Configurations

Model	Description	MSRP
HM195GB	CommandMic IV with white backlit LCD in black	$203.00
HM195GW	CommandMic IV with white backlit LCD in super white	$203.00
HM195B	CommandMic IV with yellow backlit LCD in black	$203.00
HM195SW	Command Mic IV with yellow backlit LCD in super white	$203.00

Accessories

Model	Description	MSRP
Microphones		
OPC1540	6.1m/20ft connection cable to use with the COMMANDMIC III/IV (mounting hardware required)	$90.00
OPC1541	6.1m/20ft extension cable to use with the COMMANDMIC III/IV with the OPC1540. Up to 2 OPC-1541 can be connected.	$75.00
OPC2384	12-pin to 8-pin conversion cable to connect HM195 to M605 (1 cable required per HM195)	$50.00
Miscellaneous		
IUK2CMA	Dual COMMANDMIC adapter	$465.00

SSB

M802 EXPORT ONLY

HF Marine Transceiver

SPECS _____

Output Power:	150W, 60W, 20W PEP (Selectable)
Frequencies:	Tx: 1.6–2.9999, 4.0–4.9999, 6.0–6.9999, 8.0–8.9999, 12.0–13.9999, 16.0–17.9999, 18.0–19.9999, 22.0–22.9999, 25.0– 27.5000MHz
	Rx: 0.5–29.9999MHz (continuous)
Channels:	1335 (max.) (160 programmable; 249 ITU SSB duplex; 721 ITU SSB simplex; 662 ITU FSK duplex; 160 e-mail; 21ITU 4MHz simplex; 31 ITU 8MHz simplex)
Type of Emission:	J3E (SSB), J2B (AFSK), F1B (FSK), A1A (CW), H3E (AM*)
	*Rx only
Current Drain:	Tx (Max power): 30A
	Rx (Max audio): 3.0A
Weight:	
Main unit	10.36lb
Controller	1.26lb
Speaker	0.81lb

FEATURES _____

Standard 4x8 remote controller
Large LCD with dot-matrix characters
Easy to use in all conditions
Built-in digital selective calling
Digital signal processor advantage
150W (PEP) of powerful output
One-touch e-mail access
Automatic antenna tuner, AT140
Wide band receive coverage
Remote control mic allows you to select channels directly
Accessory RS232C port allows connection of modem, etc.
GPS input, NMEA 0183 version 3.01
A headphone jack in front of the controller

COMES WITH _____

Remote controller (RC25)
Separation cable (16.4ft) (OPC1106)
Hand microphone (HM135)
External speaker (SP24)
DC power cables (OPC1107A)
Owner's manual
Warranty: 2 years

M802 EXPORT ONLY

HF Marine Transceiver

Configurations

Model	Description	MSRP
M802 11	150W marine VHF SSB with DSC (Export/Fed government only)	$3,420.00

Accessories

Model	Description	MSRP
Antenna Tuners		
AT140	HF automatic antenna tuner	$710.00
MN100	Antenna matcher. Matches the transceiver to a dipole antenna. Covers all HF bands from 1.5 to 30MHz. Two 8m antenna wires come standard.	$480.00
MN100L	Antenna matcher. Matches the transceiver to a long wire antenna. Covers all HF bands from 1.5 to 30mhz. One 15m antenna comes standard.	$455.00
OPC1147N	Shielded control cable to connect the M802 to the AT140 (10m)	$79.00
Antennas		
AH710	Folded dipole antenna with an SO-239 connector. Covers 1.9 to 30MHz band. Length is approx 80.3ft.	$430.00
Cables		
OPC1107A	M802 Main Unit DC PC	$28.00
External Speakers		
SP24	External speaker (4x4") for marine fixed mount radios (7W)	$57.00
Manuals		
94414860	M802 USB Drive service manual	$28.49
Microphones		
HM135	Hand microphone; water resistant, remote function for M802	$91.00
Mounting Hardware		
M802 MMB	Mounting Bracket M802	$54.00
MB75	Flush mount kit for mounting controller or speaker to a panel for M506/M605/M802/M504/M604/MA510TR/M502/M602	$37.00
Remote Mounting		
OPC1106	Seperation cable between controller and main unit (16.4ft) for M802	$45.00
Software & Cables		
CSM802	M802 Program Software	$79.00
OPC478UC	USB programming cable (2-pin connectors handhelds)	$70.00

M803

HF Marine SSB

SPECS _____

Frequencies:
Tx:	1.6–2.9999, 4.0–4.9999, 6.0–6.9999, 8.0–8.9999, 12.0–13.9999, 16.0–17.9999, 18.0–19.9999, 22.0–22.9999, 25.0– 27.5000MHz
Rx:	0.5–29.9999MHz (continuous)
DSC:	2.1875, 4.2075, 6.3120, 8.4145, 12.5770, 16.8045MHz

Mode:
Tx/Rx:	J3E (USB, LSB), J2B (AFSK), F1B (FSK), A1A (CW), H3E´ (AM) (´ H3E receive only)
DSC:	J2B

Current drain (at 13.6 V DC):
Receive:	Less than 3.0 A (Maximum audio output)
Transmit:	30 A (Maximum output power)

Weight:
Main unit	9.7lb
Controller	1.7lb

FEATURES _____

Emergency distress button
Intuitive user interface
Large main dial and software keys at the bottom of the display, provide
    simple operation and easy access to often used functions
4.3" wide color TFT display
Night mode display
Integrated GPS receiver includes GPS, GLONASS, and SBAS function
Two minute instant replay function
Advance RF direct sampling system
HF e-mail ready
IPX7 waterproof remote controller
NMEA 0183 version 4.10 data input/output (4800-38400bps)

COMES WITH _____

Remote controller
PC power cable
Remote control cable
GPS antenna (16.4ft)
Microphone (HM214H)
Mounting bracket kits
ACC plugs & spare fuses
Owner's manual
Warranty: 2 years

M803
HF Marine SSB

Configurations

Model	Description	MSRP
M803	150W advanced SSB with Class E DSC MF/HF certification	$3,850.00

Accessories

Model	Description	MSRP
Antenna Tuners		
AT140	HF automatic antenna tuner	$710.00
MN100	Antenna matcher. Matches the transceiver to a dipole antenna. Covers all HF bands from 1.5 to 30MHz. Two 8m antenna wires come standard.	$480.00
MN100L	Antenna matcher. Matches the transceiver to a long wire antenna. Covers all HF bands from 1.5 to 30mhz. One 15m antenna comes standard.	$455.00
OPC1465	32.8ft shielded control cable from AT140 to M803	$86.00
Antennas		
AH710	Folded dipole antenna with an SO-239 connector. Covers 1.9 to 30MHz band. Length is approx 80.3ft.	$430.00
External Speakers		
SP24	External speaker (4x4") for marine fixed mount radios (7W)	$57.00
Microphones		
HM214H	Hand microphone for GM800 & M803	$95.00
Mounting Hardware		
MB75	Flush mount kit for mounting controller or speaker to a panel for M506/M605/M802/M504/M604/MA510TR/M502/M602	$37.00
Software & Cables		
OPC478UC	USB programming cable (2-pin connectors handhelds)	$70.00

M700PRO EXPORT ONLY

SSB Radio Telephone

SPECS _____

Output Power:	150W, 60W, 20W PEP (Selectable)
Frequencies:	
Receive	500kHz-29.99MHz
Transmit	1.6–2.9999, 4.0–4.9999, 6.0–6.9999, 8.0–8.9999, 12.0–13.9999, 16.0–17.9999, 18.0–19.9999, 22.0–22.9999, 25.0– 27.5000MHz
Channels:	150 (max.; 3 groups of 50 channels each)
Type of Emission:	J3E (USB), LSB, H3T (AM), J2B (AFKSK), F1B (FSK), R3E, A1A (CW)
Weight:	17.2lb

FEATURES _____

Rugged 150 watt transceiver
150 memory channels
Selectable dual/tri watch
PC Programmable
Large LCD display

COMES WITH _____

Hand microphone (HM180)
Mounting bracket (SP24)
DC power cables (OPC568)
Owner's manual
Warranty: 2 years

M700PRO EXPORT ONLY

SSB Radio Telephone

Configurations

Model	Description	MSRP
M700PROE	150W SSB transceiver - EXPORT ONLY	$2,175.00

Accessories

Model	Description	MSRP
Antenna Tuners		
AT130	Auto antenna tuner M710/IC-78	$690.00
AT140	HF automatic antenna tuner	$710.00
MN100	Antenna matcher. Matches the transceiver to a dipole antenna. Covers all HF bands from 1.5 to 30MHz. Two 8m antenna wires come standard.	$480.00
MN100L	Antenna matcher. Matches the transceiver to a long wire antenna. Covers all HF bands from 1.5 to 30mhz. One 15m antenna comes standard.	$455.00
OPC566	Cable to connect the AT130 to the M710 (30 ft.)	$168.00
Antennas		
AH710	Folded dipole antenna with an SO-239 connector. Covers 1.9 to 30MHz band. Length is approx 80.3ft.	$430.00
Cables		
OPC568	M710/M700PRO Power Cord	$50.00
Microphones		
HM180	Microphone for M710/M700PRO	$106.00

GMDSS

GM1600

Survival Craft 2-Way VHF Radio

SPECS _____

Output Power:	2W, 1W
Frequencies:	156.300-156.875MHz
	Rx: 156.050-163.275MHz
Type of Emission:	FM (16K0G3E)
Current Drain:	Tx 2W output: 1.0A
	1W output: 0.7A
	Rx AF max: 200mA
Weight:	13.6oz (with BP234)

FEATURES _____

Meets the strict environmental requirements for survival craft radio
High capacity Lithium battery, BP234, has superior low temperature
Large keypad with positive button action
Wide viewing angle LCD display
One touch access to Channel 16 and call channel
Highly visible yellow colored body
Bright LED indicator on the top of panel
Optional VOX headset for on-board use

COMES WITH _____

GM1600 21K:
Battery pack (BP252)
Battery pack (BP234)
Battery charger (BC173)
AC adapter (BC147SA)
Belt clip (MB103Y)
Antenna (FAS61V)
Neck strap
Owner's manual
Warranty: 3 years

GM1600:
Battery pack (BP234)
Belt clip (MB103Y)
Antenna (FAS61V)
Neck strap
Owner's manual
Warranty: 3 years

GM1600

Survival Craft 2-Way VHF Radio

Configurations

Model	Description	MSRP
GM1600	GMDSS VHF handheld for survival crafts; radio plus BP-234 lithium battery	$1,000.00
GM1600 21K	GMDSS VHF handheld for survival crafts; includes li-ion battery/charger plus the BP-234 battery. Surface shipping only.	$1,090.00

Accessories

Model	Description	MSRP
Antennas		
FAS61V	Standard antenna for GM1600	$17.00
Batteries		
BP224	7.2V 750mAh NiCd battery - GM1600/M32/M2A/M90	$63.00
BP234	9.0V 3300mAh lithium battery pack GM1600. FedEx ground shipping only. No shipments to HI or AK.	$250.00
BP252	7.4V 980mAh Li-Ion battery (M36/M34/GM1600)	$72.00
Belt Clips		
MB103Y	Yellow alligator belt clip for the GM1600	$14.00
MB86	Swivel belt clip that screws into back of radio	$12.00
MB96N	Swivel belt hanger to use with standard belt clip	$37.00
Cables		
OPC515L	DC power cable for single unit rapid chargers	$26.00
OPC656	DC power cable for gang charger	$12.00
Carrying Cases		
NCP1	Nylon chest pack	$50.00
Chargers		
AD109	Adapter cup fits the BC119N/BC121N and charges the BP224 (M90/GM1600)	$18.00
BC123SE	AC adapter for rapid chargers; 100-240V with Euro style plug	$26.00
BC147SA	AC adapter for trickle chargers; 100-240V with a US style plug	$15.00
BC147SE 15	AC adapter for trickle chargers; 230V with a Euro style plug	$16.00
BC157S	AC adapter for gang chargers; 100-240V with US style plug	$150.00
BC173 01	Desktop trickle charger (M34/M36/GM1600/BP224) requires BC-147S	$28.00
CP23L	12V cigarette lighter cable for use with rapid chargers	$38.00
Headsets		
HS94	Earpiece headset; use with VS/OPC2004/OPC2006/OPC1392	$25.00
HS95	Headset with boom mic; use with VS/OPC2004/OPC2006/OPC1392	$215.00
HS97	Earphone with throat mic headset; use with VS/OPC2004/OPC2006/OPC1392	$42.00
OPC1392	Headset adapter to use with HS94/95/97 for the M73/M72/GM1600/M90	$75.00
Manuals		
94414927	GM1600 USB drive service manual	$16.95
Microphones		
HM167	Lightweight IPX8 waterproof speaker mic M73/GM1600/M92/M72	$120.00

GM1600

Survival Craft 2-Way VHF Radio

Accessories

Model	Description	MSRP
Software & Cables		
CSGM1600	GM1600 programming software	$65.00
OPC478UC	USB programming cable (2-pin connectors handhelds)	$70.00

GM600 EXPORT ONLY

VHF GMDSS Marine Transceiver

SPECS _____

Output Power:	25W 1W
Waterproof Rating:	IPX7 (submersible construction)
Frequencies:	Tx: 156.025–161.600MHz
	Rx: 156.025–162.000MHz
	DSC 156.525MHz
Usable Channel:	INT channels
Type of Emissions:	16K0G3E(FM) 16K0G2B(DSC)
Current Drain:	Tx (at 25W output): 3.3A
	Rx (Max audio): 2.0A
Weight (approx):	3.5lb

FEATURES _____

Class A DSC
Dedicated distress button
Meets MED "wheel mark" requirements
Meets ITU-R M.493-13 DSC
4.3" wide color TFT LCD
Night mode ensures readability in dark places
Intuitive user interface
10W audio when plugged into an external speaker
Optional DC-DC converter

COMES WITH _____

Radio
Hand Microphone (HM-214V)
DC power cable
Mounting bracket kit
Warranty: 3 years

IPX7

GM600 EXPORT ONLY

VHF GMDSS Marine Transceiver

Configurations

Model	Description	MSRP
GM600	VHF GMDSS fixed mount	$2,040.00

Accessories

Model	Description	MSRP
Power Supplies		
PS310 01	24V DC-DC converter	$350.00
PS310 02	12V DC-DC converter	$350.00

GM800 EXPORT ONLY

VHF GMDSS Marine Transceiver

SPECS _____

Output Power:	RF: 125W 85W
	Audio: 4W 2W
Waterproof Rating:	IPX7 (waterproofing for controller)
Frequencies:	Tx: 0.5–29.9999MHz (ITU marine channels)
	Rx: 156.025–162.000MHz (continuously)
	DSC 2.1875, 4.2075, 6.3120, 8.4145, 12.5770, 16.8045MHz
Type of Emissions:	Tx/Rx: J3E(USB/LSB*), H3E* (AM), J2B* (AFSK), F1B (FSK), A1A* (CW) *Receive only.
	DSC: F1B
Current Drain:	Tx Maximum power: Less than 20A (at 1.1kHz and 1.7kHz two tones)
	Rx Maximum audio: Less than 3A
Weight (approx):	Main unit 8.6kg, Controller

FEATURES _____

Class A DSC
Dedicated distress button
Meets MED "wheel mark" requirements
Meets ITU-R M.493-13 DSC
Dedicated DSC watch-keeping receiver continuously scans and six distress channels in rotation
Store up to 100 MMSI members for DSC calls with a 10=character ID name
4.3" wide viewing color display
Almost 180 degree wide viewing angle with high resolution characters function icons
Night display mode
Remote distress alarm
Printer connector (IEEE-1284)
Built-in 24V DC-DC converter

COMES WITH _____

Radio
Handset (HS-98)
Mounting bracket kit
Warranty: 3 years

IPX7

GM800 EXPORT ONLY
VHF GMDSS Marine Transceiver

Configurations

Model	Description	MSRP
GM800	GMDSS MF/HF radio with Class A DSC - Export only	$8,500.00

Accessories

Model	Description	MSRP
Antenna Tuners		
AT141	Export HC automatic antenna tuner - special order	$710.00

AIS/Radar

MA510TR

Class B AIS Transponder

SPECS _____

Output Power:	2W
Waterproof Rating:	IPX7
Frequencies:	161.500-162.025MHz
Type of Emission:	16K0G2B
Weight:	1.5lb

DATA Interface:

USB (Type-B Mini): GGA, GNS, GLL, GSA, GSV, RMC, VTG, VDM, VDO, ACA, ACS, ALR, TXT

NMEA 2000™
 Input: 059392 /904, 060160 /416 /928, 065240, 126208 /996, 129026 /029 /545
 Output: 059392 /904,060416 /928,126208 /464 /993 /996 /998, 129026 /029 /038 /039 /040 /041 /539 /540 /545 /792 /793 /794 /797 /798 /801 /802 /803 /805 /806 /807 /809 /810 /811

NMEA 0183
 Input/Output 4800–38400 bps; Sentence Format: GGA, GNS, GLL, GSA*1, GSV*1, RMC, VTG, GBS, DTM, DSC
 External GPS Input: 4800–38400 bps, Sentence format: GGA, GNS, GLL, RMC, VTG, GBS*2, DTM
 AIS Output: 38400 bps, Sentence format: VDM, VDO, ACA, ACS, ALR, TXT

*1 Only 38400 bps. *2 When a received GPS signal does not include a GBS sentence, the transponder will not receive the signal from the external GPS receiver

FEATURES _____

Class B AIS transponder, receives both A & B signals
Large 4.3" Color TFT LCD Display
Night Screen mode
Wide angle viewing
NMEA 2000™, 0183/-HS connectivity
Built-in simple navigation function
100 waypoint memory
Friend/danger nav function
Silent mode
Individual DSC call
USB connectivity
Multi-lingual user interface
12V and 24V
Collison alarm function
Anchor watch alarm
Man over board (MOB) function, assignable MOB waypoint

COMES WITH _____

Speaker Microphone
GPS Antenna Unit

MA510TR

Class B AIS Transponder

Configurations

Model	Description	MSRP
MA510TR	AIS transponder with GPS navigation function, and NMEA 2000 connectivity.	$1,350.00

Accessories

Model	Description	MSRP
Antennas		
0800017330	GPS Antenna for the MA-510TR	$85.60
Mounting Hardware		
MB132	Flush mount kit for M324/M424G/MA510TR	$39.00
MB75	Flush mount kit for mounting controller or speaker to a panel for M506/M605/M802/M504/M604/MA510TR/M502/M602	$37.00

MR-1010R2

Marine Radar

SPECS _____

Display Type: 10.4-inch Color TFT LCD
Resolution: 480 x 640 dots
Type of Emission: 16K0G3E (FM)
Minimum Range: 25m; 82ft (at 1/8 NM range)
Maximum Range: 36 NM

FEATURES _____

Connect to a DSC radio to use the DSC information function
Connect to an external AIS device to use the AIS overlay function
Large color display with an approximate 176° viewing angle
Color RFT LCD (480x640 dots) display offers bright vivid echos with 16
        steps gradient intensity
Easily adjust the screen color (day, night and user settings) with the
        "BRILL" button
Language setting is selectable from English, Indonesian, Korean, Spanish,
        Thai and Vietnamese
Simplified ARPA function helps prevent collision risk with other vessels or
        objects
TLL (Target Latitude Longitude) function
True trail function
10.2-42V wide DC input to prevent over voltage damage
Two user programmable alarm zones
Optional video output unit

MR-1010R2

Marine Radar

Configurations

Model	Description	MSRP
MR1010R2	Marine radar, 4kW, color LCD	$3,550.00

Accessories

Model	Description	MSRP
Miscellaneous		
UX252	Analog TCG output for the MR1010RII	$280.00

ICOM®

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Network Product Catalog

December 2020

Icom America Inc.

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Table of Contents

Airtime Pricing

LTE Airtime Pricing

Icom America's LTE products are sold to work with our high-speed, high reliability LTE-CONNECT Network. Airtime can be sold direct to dealers or end users. To order airtime login to our LTE Management Tool via the B2B site and use the plan chooser to select the desired plan per radio. To order airtime and have Icom bill your customers direct, fill in our End User Airtime order form.

LTE Rates:

Product	Term	Monthly Airtime Rate	MAP Price	Rate Plan Note
IP501H/IP501M	Month to Month	$20	$28	Voice + GPS
	12 Months	$17	$28	
	24 Months	$16	$28	
IP501M	Month to Month	$26	$38	Voice + GPS (IN AND OUT) + 2 Gig Data
	12 Months	$23	$38	
	24 Months	$22	$38	
VE-PG4	Month to Month	$48	$69	Includes 1 Talkpath

Airtime includes roaming throughout North America. A $15 per month fee will be added for international roaming. Customers who decide on 12 or 24 month plan, must keep their radios active for a minimum of 12 or 24 months and cannot be cancelled midterm. Once the minimum term period is fulfilled, all active radios will continue to receive the term price. If radios are deactivated and then activated, radios will only be eligible for airtime plans available at the time.

Iridium Airtime for Satellite Products

Icom's satellite products function on Iridium's global satellite Network. End users can purchase airtime direct through their Iridium Service Provider or through Icom America. To order airtime directly from Icom, customers will need to fill in our Mobile Satellite Service Agreement order form.

PTT Rates*:

Plan	Monthly Rate	Activation Fee per Device	Early Termination Fee per Radio
3 Month	$110	$50	$225
12 Month	$69	$50	$450

* Airtime pricing is mostly unlimited (see Iridium Terms and Conditions for all details)

Talkgroup Rates*:

Name	Talkgroup Size	Monthly Rate	Rate Exception
Small	(up to 100,000 km2)	$150	FREE small talkgroup with every 5 active PTT device*
Medium	(up to 300,000 km2)	$250	FREE medium talkgroup with every 5 active PTT device*
Large	(up to 750,000 km2)	$450	
X-Large	(up to 1,500,000 km2)	$1,050	
Jumbo	(up to 2,250,000 km2)	$2,400	

* Free small talkgroup shall be greater than 50% of the total of free small and medium talkgroups.

Product

IP501H
LTE Portable

SPECS _____

Network:	4G bands	LTE B2, B4, B5, B17
	3G bands	W-CDMA B2, B5
AF output:		Internal 400mW (16Ω)
		External 200mW (8Ω)
Voice Codec:		G.726 (32kbps)
Mil Spec:		810C, D, E, F
Waterproof:		IP67/55/54
Dimensions (W x H x D):		2.3 x 3.7 x 1.3 in.
Weight:		8.5 oz
Warranty:		2 Year

IP501H requires airtime service on the LTE-Connect system

FEATURES _____

Full duplex communication. Users can talk and receive at the same time.
Multiple users can initiate calls. No requirements to check or wait for channel availability.
Group calls with three or more people
Built-in Bluetooth
Voice message recording
Individual, Group, Talkgroup, Multiplex Talkgroup and All calls
Emergency button, Lone Worker and Man Down functions
Vibration alert function notifies of incoming call
Text message reception and preprogrammed message transmission
Up to 500 memory address book (including Group, Individual, Talkgroup and Telephone lists)
OTAP – performed by Icom America

SUPPLIED ACCESSORIES

Antenna
SIM card (custom for IP501H)
Li-Ion battery (BP-272)
Belt clip (MB-135)
Wrist strap
Owner's manual

Configurations

Model	Description	MSRP
IP501H	Portable LTE radio with SIM card installed. Monthly airtime fee will apply with activated SIM.	$610.00

Accessories

Model	Description	MSRP
EXTWARR811	1 year extended warranty	$65.00
EXTWARR812	2 year extended warranty	$93.00
EXTWARR813	3 year extended warranty	$130.00
Antennas		
3310005140	LTE Antenna	$43.09
Batteries		
BP272	Li-ion 7.4V 2000mAh (typical capacity), 1880mAh (minimum value)	$139.00
Belt Clips		
MB135	Alligator type belt clip	$10.00
Cables		
OPC2144	Right angle plug adapter cable to plug old straight pin connector headsets into (required to use with OPC478 when programming radios)	$35.00
OPC254L	Power supply cable; 10-14V DC required for high power output	$20.00
Carrying Cases		
NC100H	Nylon case with a clip for the IP100H/IP501H	$25.00
Chargers		
BC123SA	AC adapter for rapid chargers; 100-240V with US style plug	$25.00
BC123SE	AC adapter for rapid chargers; 100-240V with Euro style plug	$26.00
BC157S	AC adapter for gang chargers; 100-240V with US style plug	$150.00
BC157SE	AC adapter for gang chargers; 100-240V with Euro style plug	$130.00
BC202IP2	Rapid charger (includes BC-123SA AC adapter with US plug)	$70.00
BC211	Rapid rate 6-unit charger for radios with the BP271/BP272	$510.00
BC211E	Rapid rate 6-unit charger for BP271/BP272 with European plug	$510.00
BC218	Car charger with bluetooth (requires CP22 or CP23L)	$210.00

Accessories

Model	Description	MSRP
BC218 CCK	Car charger kit includes 1 each: BC218, CP23L, MBA7, MBF1, HM215 & SP35	$490.00
CP23L	12V cigarette lighter cable for use with rapid chargers	$38.00

External Speakers

Model	Description	MSRP
SP35	5W external speaker with 3.5mm speaker jack and 2m cable	$60.00

Headsets

Model	Description	MSRP
HS102	Over the head headset with earphone. Allows for full-duplex operation and requires the OPC-2359.	$200.00
HS94	Earpiece headset; use with VS/OPC2004/OPC2006/OPC1392	$25.00
HS95	Headset with boom mic; use with VS/OPC2004/OPC2006/OPC1392	$215.00
HS97	Earphone with throat mic headset; use with VS/OPC2004/OPC2006/OPC1392	$42.00
OPC2006LS	Adapter plug with VOX and no PTT to to use with the HS94/95/97	$35.00
OPC2328	Adapter plug with PTT to to use with the HS94/95/97	$100.00
OPC2359	PTT switch cable	$80.00
VS3	Compact lapel PTT Bluetooth with earphone w/3.5mm jack	$149.00

Microphones

Model	Description	MSRP
HM183LS	Waterproof compact speaker microphone (2pin connector)	$120.00
HM186LS	Compact speaker microphone with earphone jack (2 pin connector)	$65.00
HM215	Speaker microphone for the BC-218 car charger	$165.00
IAHM600	Heavy duty Bluetooth speaker microphone with loud audio, water/dust resistant & 40+ hours of talk time (charger included)	$215.00

Miscellaneous

Model	Description	MSRP
SIM CARD	SIM card for U.S. LTE networks	$9.00
VESP1	LTE speakerphone unit	$550.00

Mounting Hardware

Model	Description	MSRP
MBA7	Bracket adapter for the BC-218	$40.00

Remote Mounting

Model	Description	MSRP
MBF1	Remote head mount. Adhesive pad and adjustable pivot points holds it securely. Requires MBA5, MBA7 or MBA8.	$85.00

Accessories

Model	Description	MSRP
Software & Cables		
CSIP501H	IP501H programming software	$60.00
OPC478UC	USB programming cable (2-pin connectors handhelds)	$70.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	See Optional Services
Wire Kits		
HM153LS	Microphone with 2.5mm earphone combination (right angle 2-pin connector)	$130.00
HM166LS	Earphone microphone with two pin right angle connector	$99.00

IP501M
LTE Mobile

SPECS _____

Network:	4G bands	LTE B2, B4, B12
	3G bands	W-CDMA B2, B5
Audio output power:		More than 4W (External SP, at 10% distortion into a 4Ω load)
Voice Codec:		G.726
Mil Spec:		810C, D, E, F, G
Dimensions (W x H x D):		4.9 x 1.1 x 6.1 in (Approximate)
Weight:		1.9 lb (Main unit, approximate)
Warranty:		2 Year

IP501M requires airtime service on the LTE-Connect System

FEATURES _____

Full-Duplex communication provides multiple users simultaneous
    conversations
Built-in Bluetooth and GPS
Noise Canceling function (TX only) for clear audio in noisy environments
Priority Interrupt Calling can break into an on-going call for an important
    message Text Message function of up to 32 characters
Emergency Call & Lone Worker functions

SUPPLIED ACCESSORIES

Microphone (HM-241)
LTE antenna x 2
GPS antenna
DC power cable
Mounting bracket kit
Microphone hanger
Owner's manual

Configurations

Model	Description	MSRP
IP501M	Mobile LTE radio with SIM card installed. Monthly airtime fee will apply with activated SIM.	$750.00

Accessories

Model	Description	MSRP
EXTWARR811	1 year extended warranty	$65.00
EXTWARR812	2 year extended warranty	$93.00
EXTWARR813	3 year extended warranty	$130.00
OPC2357	IP501M programming cable	$175.00
Cables		
OPC2407	D-SUB 25-pin connector for the IP501M	$100.00
Encryption & Internal Modules		
INSTALL-MF	Install a component into an LM mobile or portable	See Optional Services
External Speakers		
SP30	20W large external speaker	$110.00
SP35	5W external speaker with 3.5mm speaker jack and 2m cable	$60.00
Headsets		
VS3	Compact lapel PTT Bluetooth with earphone w/3.5mm jack	$149.00
Microphones		
HM230HB	CommandMic with 10-key (IP55) for IP501M	$330.00
HM241	Mobile microphone with emergency button for IP501M (IP54)	$115.00
IAHM600	Heavy duty Bluetooth speaker microphone with loud audio, water/dust resistant & 40+ hours of talk time (charger included)	$215.00
SM28	Desktop microphone for IP501M	$100.00

Accessories

Model	Description	MSRP
Miscellaneous		
SIM CARD	SIM card for U.S. LTE networks	$9.00
Power Supplies		
IAPS13	Power supply and cover for the IP501M and SAT100M.	$280.00
Software & Cables		
CSIP501H	IP501H programming software	$60.00
OPC1122U	PC to mobile radio programming cloning cable with USB connector.	$99.00

IP100H
WLAN Portable Radio

SPECS _____

Frequencies:	2412-2472 MHz (13 channels)
	5180-5700MHz (19 channels)
WLAN standard:	IIEEE 802.11 a/b/g/n
Operating time:	Over 20 hours (with BP-271)
RF output:	Less than 10mW/MHz
Voice codec:	G.711 μ-law (64kbps)
AF output:	Internal 400mW (16Ω)
	External 200mW (8Ω)
Dimensions (W x H x D):	2 9/23 x 3 47/64 x 1 3/64 in.
Weight:	7.2 oz
Waterproof:	IPX7 waterproof rating
Warranty:	1 Year

Software:	[Free download](#)

FEATURES _____

License-free system
IP1000C controller connects to the wireless network
- IPC1000C versions allows up to 20 or 100 radios per network

Add the IP100FS for an IP-based PC-dispatcher
Compact size, and lightweight
Supports simplex or full duplex with HM-153LS or HM-166LS connected
Digital sound quality
High security with encrypted communication
Beep/Vibration function for all call types
OPC-2006LS with HS94/95/97 are applicable for VOX and simplex operation
Supports WEP/WPA/WPA2

SUPPLIED ACCESSORIES

Li-Ion battery (BP-271)
Belt clip (MB-127)
Wrist strap
Short stub antenna
Antenna cover (used for internal antenna)
Owner's manual

IPX7

Configurations

Model	Description	MSRP
IP1000C 100	Manages up to 100 radios in a network	$1,665.00
IP100FS	IP based PC-dispatcher	$1,650.00
IP100H	IP license-free radio for wireless networks	$455.00

Accessories

Model	Description	MSRP
EXTWARR611	1 year extended warranty	$40.00
EXTWARR612	2 year extended warranty	$70.00
EXTWARR613	3 year extended warranty	$110.00
Antennas		
3310004800	IP100H antenna	$29.99
Batteries		
BP271	Li-ion 7.4V 1200mAh (typical capacity), 1150mAh (minimum value)	$99.00
BP272	Li-ion 7.4V 2000mAh (typical capacity), 1880mAh (minimum value)	$139.00
BP273	Battery case that holds 3 AA alkaline batteries	$68.00
Belt Clips		
MB127	Alligator belt clip	$18.00
Cables		
OPC2144	Right angle plug adapter cable to plug old straight pin connector headsets into (required to use with OPC478 when programming radios)	$35.00
Carrying Cases		
NC100H	Nylon case with a clip for the IP100H/IP501H	$25.00
Chargers		
BC123SA	AC adapter for rapid chargers; 100-240V with US style plug	$25.00
BC123SE	AC adapter for rapid chargers; 100-240V with Euro style plug	$26.00
BC202IP2	Rapid charger (includes BC-123SA AC adapter with US plug)	$70.00
BC207S	12V / 3.5A AC adapter for VEPG3/IP1000C	$85.00
BC211	Rapid rate 6-unit charger for radios with the BP271/BP272	$510.00

Accessories

Model	Description	MSRP
BC211E	Rapid rate 6-unit charger for BP271/BP272 with European plug	$510.00
Headsets		
HS102	Over the head headset with earphone. Allows for full-duplex operation and requires the OPC-2359.	$200.00
HS94	Earpiece headset; use with VS/OPC2004/OPC2006/OPC1392	$25.00
HS95	Headset with boom mic; use with VS/OPC2004/OPC2006/OPC1392	$215.00
HS97	Earphone with throat mic headset; use with VS/OPC2004/OPC2006/OPC1392	$42.00
OPC2006LS	Adapter plug with VOX and no PTT to to use with the HS94/95/97	$35.00
OPC2328	Adapter plug with PTT to to use with the HS94/95/97	$100.00
OPC2359	PTT switch cable	$80.00
Microphones		
HM152	Standard microphone for low/mid range mobile radios	$44.00
HM183LS	Waterproof compact speaker microphone (2pin connector)	$120.00
HM186LS	Compact speaker microphone with earphone jack (2 pin connector)	$65.00
SM26	Desktop microphone with monitor switch for mobile radios	$90.00
Mounting Hardware		
MB VP3	Rack mounting shelf for VEPG3/IP1000C	$100.00
MB99A	Wall mounting bracket VEPG3/IP1000C	$65.00
Network		
AP95M	Wireless LAN access point	$440.00
IP100FS	IP based PC-dispatcher	$1,650.00
RSAP3	Access point management software	$1,500.00
Remote Communication		
CT23 01	PTT microphone adapter to use SM-26 or HM-152 with a PC. Requires BC-147S.	$120.00
Software & Cables		
OPC478UC	USB programming cable (2-pin connectors handhelds)	$70.00

Accessories

Model	Description	MSRP
Wire Kits		
HM153LS	Microphone with 2.5mm earphone combination (right angle 2-pin connector)	$130.00
HM166LS	Earphone microphone with two pin right angle connector	$99.00
SP26	Tube earphone with 2.5mm plug to use with HM-163MC/HM-153LS	$25.00
SP28	Earhook type earphone with 2.5mm plug to use with HM-163MC/HM-153LS	$25.00

SAT100
Satellite PTT Radio

SPECS _____

Operating temperature range:
  -30°C to +60°C; -22°F to +140°F
Audio output power:
  Internal speaker: 1500mW typical (At 5% distortion into an 8Ω load)
  External speaker: 1000mW typical (At 5% distortion into an 8Ω load)

Battery life (Approximate): 14.5 hours (TX: RX: standby = 5 : 5 : 90)
Talkgroup: 15 groups (Maximum)
Antenna connector: SMA
Weight: 12.7 oz, 360g
Mil Specs: 810C, D, E, F, G
Waterproof rating: IP67

FEATURES _____

Two-way radio system using the Iridium® satellite network
One-to-Many Communications
Real-Time Low-Latency Communication
Operates 100% of the globe
Built-in emergency key
Secure communications with AES encryption
Short Data Message function
Voice recording function
Talkgroup Scan
Priority Interrupt Calling
Vibration Alert
Built-in Bluetooth® and GPS Receiver
Compatible with other Iridium® PTT devices

COMES WITH _____

Battery pack (BP-300)
Belt Clip (MBB-5)
Antenna (FA-S102U)
Desktop charger (BC-241)
AC adapter (BC-242)

Configurations

Model	Description	MSRP
SAT100	Satellite PTT radio using the Iridium satellite network	$1,600.00

Accessories

Model	Description	MSRP
Antennas		
AH40	Antenna (4.9ft) for in-vehicle and in-building use	$245.00
FAS102U	Antenna for SAT100	$210.00
Batteries		
BP300	7.2V 2350mAh li-ion battery for the SAT100	$150.00
Belt Clips		
MBB5	Belt clip for SAT100	$15.00
Cables		
OPC2412	Connection cable between VEPG4 & SAT100	$115.00
OPC2422	5M extension cable between the SAT100 and AH40.	$165.00
Chargers		
BC214NSAT	Six unit charger for SAT100	$450.00
BC241	Rapid charger with multi-plug AC adapter for SAT100	$70.00
BC247	Charger cradle for SAT100 for in-vehicle and in-building use	$415.00
Headsets		
HS94	Earpiece headset; use with VS/OPC2004/OPC2006/OPC1392	$25.00
HS95	Headset with boom mic; use with VS/OPC2004/OPC2006/OPC1392	$215.00
HS97	Earphone with throat mic headset; use with VS/OPC2004/OPC2006/OPC1392	$42.00
VS3	Compact lapel PTT Bluetooth with earphone w/3.5mm jack	$149.00
VS5MC	VOX/PTT switch cable to use with headset (HS94/95/97)	$150.00
Microphones		
HM222	IP68 waterproof speaker microphone w/3.5mm accessory jack (14-pin connector)	$85.00
HM222H	IP68 waterproof speaker microphone w/3.5mm accessory jack (14-pin connector)	$145.00

Accessories

Model	Description	MSRP
SP27	Acoustic tube earphone with a clip (3.5mm)	$35.00
SP29	Earhook type earphone with 3.5mm plug	$25.00
SP40	Earphone with 3.5mm plug	$30.00
SP-AT1	Single pin listen only w/QD acoustic tube (9", 3.5mm L-shape)	$31.50
Miscellaneous		
AD118	14-pin ACC adapter to use with Hirose plug accessories	$80.00
AD135	3.5mm earphone jack adapter that plugs into a 14-pin connector	$42.00
Wire Kits		
EH15B	Earphone with 2.5mm plug to use with HM-163MC	$30.00
HM163MC	Lapel mic with 2.5mm earphone jack	$200.00
SP26	Tube earphone with 2.5mm plug to use with HM-163MC/HM-153LS	$25.00
SP28	Earhook type earphone with 2.5mm plug to use with HM-163MC/HM-153LS	$25.00
SP32	Tube adapter for use with the EH-15B	$30.00

SAT100M
Satellite PTT Mobile Radio

SPECS _____

Operating temperature range:
> -30°C to +60°C; -22°F to +140°F

Audio output power:
Internal speaker:	1500mW typical (8Ω load)
External speaker:	4W typical (4Ω load)

Voltage:	13.2V / 26.4DC
Talkgroup:	15 groups (Maximum)
Antenna connector:	SMA
Weight:	12.7 oz, 360g
Mil Specs:	810C, D, E, F, G
Waterproof rating:	IP67 (antenna w/RF unit)
	IP55 (mic), IP54 (main unit)

FEATURES _____

Two-way radio system using the Iridium® satellite network
One-to-Many Communications
Real-Time Low-Latency Communication
Operates 100% of the globe
Power supply capability over Ethernet from main unit to antenna
    (w/RF unit)
Secure communications with AES encryption
Short Data Message function
Multi-functional speaker microphone with display
Multi-language display (English, Chinese, French, Japanese, Spanish)
Emergency mode
Surveillance mode
Built-in Bluetooth® and GPS Receiver
Compatible with other Iridium® PTT devices

COMES WITH _____

Speaker microphone
DC power cable (OPC-585)
LAN cable (OPC-2102)
Mobile bracket

Configurations

Model	Description	MSRP
SAT100M	Mobile satellite PTT radio with a multi-functional speaker microphone and antenna unit	$3,490.00

Accessories

Model	Description	MSRP
Antennas		
AH40	Antenna (4.9ft) for in-vehicle and in-building use	$245.00
Cables		
OPC2422	5M extension cable between the SAT100 and AH40.	$165.00
Encryption & Internal Modules		
INSTALL-MF	Install a component into an LM mobile or portable	See Optional Services
External Speakers		
SP30	20W large external speaker	$110.00
SP35	5W external speaker with 3.5mm speaker jack and 2m cable	$60.00
Headsets		
VS3	Compact lapel PTT Bluetooth with earphone w/3.5mm jack	$149.00
Power Supplies		
IAPS13	Power supply and cover for the IP501M and SAT100M.	$280.00

VE-PG4
RoIP Gateway

SPECS _____

Power Supply:	12V DC +/- 10%, max 4A 100-240V AC (with the supplied AC adaptor)
Weight:	4lb (Main unit, approximate)
Interface	
LAN/WAN:	RJ-45 type x 1 (Auto MDI/MDI-X)
LAN:	RJ-45 type x 1 (Auto MDI/MDI-X)
USB Host Interface:	USB 3.0 Standard A receptacles x3
USB Console Interface:	USB 2.0 mini B receptacles x 1
Network - 4G bands:	LET B2, B4, B12 (FCC)
Network - 3G bands:	W-CDMA B2, B5 (FCC)
External - Port Connectors:	2.54 mm (0.1 in) pitch quick connector (4 terminals x3) x4
External – Audio input:	-10 dBs/-40 dBs selectable Input impedance 10kΩ unbalance
External – Audio output:	-0 dBs/-20 dBs selectable 600Ω load unbalance/8Ω 1W speaker
External – Control input:	Low voltage contacts (3.3V DC/1mA)/Voltage input (3-16V)
External – Control output:	No voltage contacts (30V/100mA) /Open collector (3-16V 10mA)

FEATURES _____

Bridge almost any modern communications system to Icom's universe of Network products and more:

- LTE PTT Products
- Wireless LAN radio products
- Icom IDAS conventional and trunking systems
- Analog radio systems
- P25 systems
- DMR systems
- SIP phone

Built-in controller for IP100H
Call recording to a USB drive
Microphone connection for base operation
Router functions with VPN tunnel

Management Features:

- SYSLOG and SNMP
- Telnet and SSH
- Ping Test and Traceroute Test
- Abnormal condition monitoring, such as LAN port link-down and SIP server registration error
- Administrator password
- SNTP server
- Security slot

WARRANTY _____

1-Year

Comes With _____

Antennas
Antenna case cable (1.9ft)
AC adapter (BC-236)
Quick connectors

MULTITRUNK   iDAS
ICOM DIGITAL ADVANCED SYSTEM

Icom America Inc.

Configurations

Model	Description	MSRP
VEPG4	RoIP gateway that bridges land mobile radio systems. Deactivated SIM included. Airtime fees apply when SIM activated.	$3,000.00

Accessories

Model	Description	MSRP
Cables		
OPC2275	5m audio connection cable between the VEPG3 and the F5061/D series or A120 (RJ-45 modular plug connector with speaker plug).	$150.00
OPC2276	5m audio connection cable between the VEPG3 and the HM152/SM26 (Modular jack connector with speaker jack)	$215.00
OPC2389	Cable connecting serial device w/RS232	$85.00
OPC2390	Cable connecting VEPG4 to FR5000/6000	$200.00
Microphones		
SM26	Desktop microphone with monitor switch for mobile radios	$90.00
Miscellaneous		
SIM CARD	SIM card for U.S. LTE networks	$9.00
Remote Communication		
RCFS10	Remote Communicator software + CT-24 (digital voice converter unit - each IDAS system requires 1 CT-24)	$1,820.00

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