



U.S. Land Mobile Retail Product Catalog

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Portables



V3MR

VHF MURS Portable

SPECS

Frequencies:	151.820, 151.880, 151.940, 154.570, 154.600MHz
Output Power:	2W
Channels:	16
Mil Spec:	MIL-STD 810C,D,E,F,G
Waterproof Rating:	IP54
Weight:	265g, 9.3oz (w/ BP298)



FEATURES

- License free
- 24-hour operation time
- Loud and clear 1500mW speaker
- VOX function for hands-free operation
- Lone worker and emergency function
- 2-step low battery beep 36mm large speaker

SUPPLIED ACCESSORIES

- Antenna (FA-SC28V)
- Battery (BP-298)
- Belt clip (MB-124)
- Rapid charger (BC-240)
- AC adapter cable (BC-242)
- Warranty: 2 years



Configurations

Model	Description	MSRP
V3MR 66 USA	MURS license-free portable with BC240 rapid charger	\$235.00

Accessories

Model	Description	MSRP
Antennas		
FASC28V	142-162MHz antenna J type connector	\$14.00
Batteries		
BP298	2250mAh li-ion battery	\$77.00
Belt Clips		
MB124	Alligator type belt clip	\$13.00
Cables		
OPC515L	DC power cable for single unit rapid chargers	\$28.00
Chargers		
BC157S	AC adapter for gang chargers; 100-240V with US style plug	\$168.00
BC214	Six bank charger with US plug AC adapter and cups installed	\$541.00
BC214E	Six bank charger with EURO plug AC adapter and cups installed	\$541.00
BC214N 27	Six unit charger for radios with the BP298/BP299 battery	\$536.00
BC240	Rapid charger for the V86	\$75.00
BC242	AC adapter	\$26.00
CP23L	12V cigarette lighter cable for use with rapid chargers	\$40.00
Headsets		
HS94	Earpiece headset; use with VS/OPC2004/OPC2006/OPC1392	\$27.00
HS95	Headset with boom mic; use with VS/OPC2004/OPC2006/OPC1392	\$230.00
HS97	Earphone with throat mic headset; use with VS/OPC2004/OPC2006/OPC1392	\$45.00
IJKP-HM2PLOW	2-wire kit w/acoustic tube	\$50.00
OPC2004LA	VOX conversion cable to to use the HS-97 for the F1000/D products	\$28.00
VS4LA	PTT switch cable to communicate using the HS94/95/97	\$123.00

Accessories

Model	Description	MSRP
Microphones		
HM158LA	Compact speaker microphone with revolving clip and earphone jack (right angle 2-pin screw down connector, stereo mic/mono speaker)	\$50.00
HM159LA	Large speaker microphone with earphone jack and metal alligator clip (right angle 2-pin screw down connector, stereo mic/mono speaker)	\$84.00
HM222HLWP	IP68 speaker mic	\$152.00
Software & Cables		
OPC478UD	USB programming cable (2-pin connectors handhelds)	\$95.00

V10MR

VHF MURS Portable

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	MURS license-free handheld with BC213 rapid charger	\$263.00

Accessories

Model	Description	MSRP
Antennas		
FASC28V	142-162MHz antenna J type connector	\$14.00
Batteries		
BP279	Li-ion 7.2V 1485mAh battery	\$75.00
Belt Clips		
MB133	Alligator type belt clip	\$18.00
Chargers		
BC157S	AC adapter for gang chargers; 100-240V with US style plug	\$168.00
BC213	Rapid charger with a US plug for radios with the BP279/BP280 battery (BC-123SA or BC242 included)	\$64.00
BC214	Six bank charger with US plug AC adapter and cups installed	\$541.00
BC214E	Six bank charger with EURO plug AC adapter and cups installed	\$541.00
BC242	AC adapter	\$26.00
CP23L	12V cigarette lighter cable for use with rapid chargers	\$40.00
MB130	Vehicle charger bracket holds rapid charger; requires cigarette lighter cable	\$88.00
Headsets		
HS94	Earpiece headset; use with VS/OPC2004/OPC2006/OPC1392	\$27.00
HS94LWP	Earhook headset with boom microphone with 2-pin screw down connector for hands-free operation.	\$63.00
HS95	Headset with boom mic; use with VS/OPC2004/OPC2006/OPC1392	\$230.00
HS95LWP	Behind-the-head type with boom microphone with 2-pin screw down connector	\$305.00
HS97	Earphone with throat mic headset; use with VS/OPC2004/OPC2006/OPC1392	\$45.00
OPC2004LA	VOX conversion cable to use the HS-97 for the F1000/D products	\$28.00
VS4LA	PTT switch cable to communicate using the HS94/95/97	\$123.00

Accessories

Model	Description	MSRP
Microphones		
HM158LA	Compact speaker microphone with revolving clip and earphone jack (right angle 2-pin screw down connector, stereo mic/mono speaker)	\$50.00
HM159LA	Large speaker microphone with earphone jack and metal alligator clip (right angle 2-pin screw down connector, stereo mic/mono speaker)	\$84.00
HM168LWP	Waterproof speaker microphone	\$150.00
HM222HLWP	IP68 speaker mic	\$152.00
Software & Cables		
OPC478UD	USB programming cable (2-pin connectors handhelds)	\$95.00
Wire Kits		
HM166LA	Earphone microphone with 2-pin right angle connector	\$62.00

F200

Entry Level UHF Portable

SPECS

Frequencies:	450-470MHz
Output Power:	2W
Channels:	16
LCD Display:	4 digit
Mil Spec:	MIL-STD 810 C, D, E, F, G
Waterproof Rating:	IP54
Weight:	5.5 oz



FEATURES

- Built-in antenna
- 15-hour operation time
- USB Type-C™ charging
- 600mW speaker
- Vox function for hands-free operation
- Channel announcement
- CTCSS/FTCS tone squelch
- Lone worker and emergency call function

COMES WITH

- Battery (BP-304A)
- Belt clip (MB-127)
- Charger (BC-262)
- USB Type-C™ AC adapter (BC-263A)
- Warranty: 2 years

Configurations

Model	Description	MSRP
F200 11 USA	450-470 MHz radio with battery (BP-304A), charger (BC-262), and adapter (BC-263A)	\$165.00

Accessories

Model	Description	MSRP
Batteries		
BP304A	Li-ion battery 7.2V 1900mAh for F200	\$60.00
Belt Clips		
MB127	Alligator belt clip	\$19.00
Chargers		
BC262	Desktop charger for F200 or BC264.	\$24.00
BC264	Battery pack charger for the BP304A. Use w/BC262 or USB Type-C™.	\$48.00
Headsets		
HS94	Earpiece headset; use with VS/OPC2004/OPC2006/OPC1392	\$27.00
HS95	Headset with boom mic; use with VS/OPC2004/OPC2006/OPC1392	\$230.00
HS97	Earphone with throat mic headset; use with VS/OPC2004/OPC2006/OPC1392	\$45.00
IJKP-HM1LSOW	1-wire kit w/acoustic tube	\$50.00
IJKP-HM2LSOW	1-wire kit ear hanger & earbud	\$35.00
IJKP-HM2PLOW	2-wire kit w/acoustic tube	\$50.00
IJKP-HM3LSOW	1-wire kit D-shape ear hanger	\$35.00
OPC2006LS	Adapter plug with VOX and no PTT to to use with the HS94/95/97	\$37.00
OPC2328	Adapter plug with PTT to to use with the HS94/95/97	\$107.00
Microphones		
HM183LS	Waterproof compact speaker microphone (2-pin connector)	\$128.00
HM186LS	Compact speaker microphone with earphone jack (2-pin connector)	\$69.00
Software & Cables		
OPC478UD	USB programming cable (2-pin connectors handhelds)	\$95.00

Accessories

Model	Description	MSRP
Wire Kits		
HM153LS	Microphone with 2.5mm earphone combination (right angle 2-pin connector)	\$137.00
HM166LS	Earphone microphone with two pin right angle connector	\$105.00

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



MDC 1200
Compatible

Configurations

Model	Description	MSRP
F3001 51 RC USA	136-174MHz radio with 1900mAh Li-ion battery & rapid charger (BC-193)	\$258.00
F4001 71 RC	400-470MHz radio with 1900mAh Li-ion battery & rapid charger (BC-193)	\$258.00
F4001 81 RC	450-512MHz radio with 1900mAh Li-ion battery & rapid charger (BC-193)	\$258.00

Accessories

Model	Description	MSRP
ENGRAVE	Engrave radio	\$40.00
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
IAFASC450US	430-470MHz stubby antenna with a J type connector	\$9.00

Antennas

FASC25U	400-430MHz antenna J type connector	\$14.00
FASC25V	136-150MHz antenna J type connector	\$14.00
FASC26US	400-450MHz stubby antenna J type connector	\$16.00
FASC26VS	136-144MHz stubby antenna J type connector	\$16.00
FASC27VS	142-150MHz stubby antenna J type connector	\$16.00
FASC28V	142-162MHz antenna J type connector	\$14.00
FASC29V	160-174MHz antenna J type connector	\$14.00
FASC55V	146-174MHz standard antenna J type connector	\$14.00
FASC56VS	150-160MHz stubby antenna J type connector	\$16.00
FASC57U	430-470MHz standard antenna (red ring) J type connector	\$14.00
FASC57VS	160-174MHz stubby antenna J type connector	\$16.00
FASC61UC	380-520MHz cut antenna J type connector	\$20.00
FASC61VC	136-174MHz cut antenna for the specific frequency desired	\$20.00
FASC62V	150-160MHz high gain antenna J type connector	\$59.00
FASC63V	155-165MHz high gain antenna J type connector	\$60.00
FASC72U	470-512MHz antenna J type connector	\$14.00
FASC73US	450-470MHz stubby antenna for J type connector	\$16.00

Accessories

Model	Description	MSRP
LARSEN SPHL10160IC	151-163MHz helical ¼ wave antenna center tuned to 157MHz	\$45.00
Batteries		
BP263	Battery case that holds 6 AA alkaline batteries	\$32.00
BP264	Ni-MH 7.2V 1400mAh	\$54.00
BP265	Li-ion 7.4V 1900mAh	\$85.00
Belt Clips		
MB124	Alligator type belt clip	\$13.00
Cables		
OPC515L	DC power cable for single unit rapid chargers	\$28.00
Carrying Cases		
LCF3000 SWIVEL	Leather carrying case with a swivel for the F3001/4001 & F3101D/4101D radios	\$52.00
NCF3000 CLIP	Nylon carrying case with a clip for the F3001/4001 & F3101D/4101D radios	\$32.00
Chargers		
AD121	Adapter cup that fits into the BC197 12/13 for the BP265 Li-ion battery	\$24.00
BC123SA	Straight-angle AC adapter for rapid chargers; 100-240V with US style plug	\$26.00
BC123SE	AC adapter for rapid chargers; 100-240V with Euro style plug	\$28.00
BC157S	AC adapter for gang chargers; 100-240V with US style plug	\$168.00
BC157SE	AC adapter for gang chargers; 100-240V with Euro style plug	\$168.00
BC193	Rapid charger for radios with BP265 Li-ion battery; 100-240V with US style plug	\$72.00
BC193E	Rapid charger for radios with BP265 Li-ion battery; 100-240V with Euro style plug	\$72.00
CP23L	12V cigarette lighter cable for use with rapid chargers	\$40.00
MB130	Vehicle charger bracket holds rapid charger; requires cigarette lighter cable	\$88.00
Headsets		
HS94	Earpiece headset; use with VS/OPC2004/OPC2006/OPC1392	\$27.00
HS95	Headset with boom mic; use with VS/OPC2004/OPC2006/OPC1392	\$230.00
HS97	Earphone with throat mic headset; use with VS/OPC2004/OPC2006/OPC1392	\$45.00
IJKP-HM2PLOW	2-wire kit w/acoustic tube	\$50.00

Accessories

Model	Description	MSRP
OPC2004	Adapter plug to to use the HS94/95/97 for the F3001/4001/3101D/4101D & V80	\$28.00
Microphones		
HM158LA	Compact speaker microphone with revolving clip and earphone jack (right angle 2-pin screw down connector, stereo mic/mono speaker)	\$50.00
HM159LA	Large speaker microphone with earphone jack and metal alligator clip (right angle 2-pin screw down connector, stereo mic/mono speaker)	\$84.00
HM222HLWP	IP68 speaker mic	\$152.00
HM-HD7I7WP	Large waterproof speaker microphone with 3.5mm accessory jack (right angle 2-pin screw down connector)	\$117.00
IMPACT HD3-I3	Heavy duty speaker mic w/3.5mm accessory jack (2-pin screw down connector)	\$70.00
Software & Cables		
CSF3001	F3001/F4001 programming software	\$90.00
OPC478UD	USB programming cable (2-pin connectors handhelds)	\$95.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	\$40.00
Wire Kits		
HM166LA	Earphone microphone with 2-pin right angle connector	\$62.00

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

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

COMES WITH

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



Configurations

Model	Description	MSRP
F1000 82 USA	136-174MHz, 16 CH, no display, analog portable with rapid charger.	\$278.00
F1000S 83 USA	136-174MHz, 128 CH, LCD, 4-key analog portable with rapid charger	\$364.00
F1000T 84 USA	136-174MHz, 128CH, LCD, full DTMF keypad analog portable with rapid charger	\$396.00
F2000 82 USA	400-470MHz, 16 CH, no display, analog portable with rapid charger	\$278.00
F2000S 83 USA	400-470MHz, 128 CH, LCD, 4-key analog portable with rapid charger	\$364.00
F2000T 84 USA	400-470MHz, 128CH, LCD, full DTMF keypad analog portable with rapid charger	\$396.00
F2000 88 USA	450-512MHz, 16 CH, no display, analog portable with rapid charger	\$278.00
F2000S 89 USA	450-512MHz, 128 CH, LCD, 4-key analog portable with rapid charger .	\$364.00
F2000T 90 USA	450-512MHz, 128CH, LCD, full DTMF keypad analog portable with rapid charger	\$396.00

Accessories

Model	Description	MSRP
ENGRAVE	Engrave radio	\$40.00
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
IAFASC450US	430-470MHz stubby antenna with a J type connector	\$9.00
Antennas		
FASC25U	400-430MHz antenna J type connector	\$14.00
FASC25V	136-150MHz antenna J type connector	\$14.00
FASC26US	400-450MHz stubby antenna J type connector	\$16.00
FASC26VS	136-144MHz stubby antenna J type connector	\$16.00
FASC27VS	142-150MHz stubby antenna J type connector	\$16.00
FASC28V	142-162MHz antenna J type connector	\$14.00
FASC29V	160-174MHz antenna J type connector	\$14.00
FASC55V	146-174MHz standard antenna J type connector	\$14.00
FASC56VS	150-160MHz stubby antenna J type connector	\$16.00
FASC57U	430-470MHz standard antenna (red ring) J type connector	\$14.00

Accessories

Model	Description	MSRP
FASC57VS	160-174MHz stubby antenna J type connector	\$16.00
FASC61UC	380-520MHz cut antenna J type connector	\$20.00
FASC61VC	136-174MHz cut antenna for the specific frequency desired	\$20.00
FASC62V	150-160MHz high gain antenna J type connector	\$59.00
FASC63V	155-165MHz high gain antenna J type connector	\$60.00
FASC72U	470-512MHz antenna J type connector	\$14.00
FASC73US	450-470MHz stubby antenna for J type connector	\$16.00
Batteries		
BP279	Li-ion 7.2V 1485mAh battery	\$75.00
BP280	Li-ion 7.2V 2280mAh battery	\$100.00
Belt Clips		
MB133	Alligator type belt clip	\$18.00
MB96N	Swivel belt hanger to use with belt clip	\$40.00
Cables		
OPC515L	DC power cable for single unit rapid chargers	\$28.00
Carrying Cases		
LCF1000S	Leather carrying case with a swivel for F1000/2000/D non display radios	\$52.00
LCF1000SS	Leather carrying case with a swivel belt loop and cutout for the display for the F1000S/2000S	\$52.00
LCF1000TS	Leather case for the F1000T/2000T with a full keypad cutout with a swivel loop	\$52.00
NCF1000C	Nylon carrying case with a clip for the F1000/2000/D non display radios	\$32.00
NCF1000SC	Nylon carrying case with a clip and cutout for the display F1000S/2000S	\$32.00
NCF1000TC	Nylon carrying case with a clip and cutout for the display and keypad F1000T/2000T	\$32.00
Chargers		
AD130	Adapter cup that fits into the BC214 for radios with BP279/BP280	\$24.00
BC123SA	Straight-angle AC adapter for rapid chargers; 100-240V with US style plug	\$26.00
BC123SE	AC adapter for rapid chargers; 100-240V with Euro style plug	\$28.00

Accessories

Model	Description	MSRP
BC157S	AC adapter for gang chargers; 100-240V with US style plug	\$168.00
BC157SE	AC adapter for gang chargers; 100-240V with Euro style plug	\$168.00
BC213	Rapid charger with a US plug for radios with the BP279/BP280 battery (BC-123SA or BC242 included)	\$64.00
BC213NAC	Rapid charger cup for radios with the BP279 battery (BC-123S not included)	\$38.00
BC214	Six bank charger with US plug AC adapter and cups installed	\$541.00
BC214E	Six bank charger with EURO plug AC adapter and cups installed	\$541.00
CP23L	12V cigarette lighter cable for use with rapid chargers	\$40.00
MB130	Vehicle charger bracket holds rapid charger; requires cigarette lighter cable	\$88.00
Headsets		
HS94	Earpiece headset; use with VS/OPC2004/OPC2006/OPC1392	\$27.00
HS94LWP	Earhook headset with boom microphone with 2-pin screw down connector for hands-free operation.	\$63.00
HS95	Headset with boom mic; use with VS/OPC2004/OPC2006/OPC1392	\$230.00
HS95LWP	Behind-the-head type with boom microphone with 2-pin screw down connector	\$305.00
HS97	Earphone with throat mic headset; use with VS/OPC2004/OPC2006/OPC1392	\$45.00
IJKP-HM2PLOW	2-wire kit w/acoustic tube	\$50.00
VS4LA	PTT switch cable to communicate using the HS94/95/97	\$123.00
Microphones		
HM158LA	Compact speaker microphone with revolving clip and earphone jack (right angle 2-pin screw down connector, stereo mic/mono speaker)	\$50.00
HM159LA	Large speaker microphone with earphone jack and metal alligator clip (right angle 2-pin screw down connector, stereo mic/mono speaker)	\$84.00
HM222HLWP	IP68 speaker mic	\$152.00
HM-HD717WP	Large waterproof speaker microphone with 3.5mm accessory jack (right angle 2-pin screw down connector)	\$117.00
SP-AT1	Single pin listen only w/QD acoustic tube (9", 3.5mm L-shape)	\$34.00
Software & Cables		
CSF2000	Programming software for the F1000/2000 series	\$90.00
OPC478UD	USB programming cable (2-pin connectors handhelds)	\$95.00

Accessories

Model	Description	MSRP
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	\$40.00
Wire Kits		
HM166LA	Earphone microphone with 2-pin right angle connector	\$62.00

F1100D – F2100D Series

Entry Level IDAS™ Portables

SPECS

Frequencies:	136-174, 400-470, 470-512MHz
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

General 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

Digital 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-SC28V, FA-SC57U, or FA-SC72U)
Battery pack (BP-280)
Belt Clip (MB-133)
Charger (BC-213)
Warranty: 2 years

SIGNALING (Analog Only)

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



Configurations

Model	Description	MSRP
F1100D 53 USA	136-174MHz IDAS portable with 16 channels, no display, includes rapid charger	\$395.00
F1100DS 63 USA	136-174MHz IDAS portable with 128 channels, display with limited keypad, includes rapid charger	\$460.00
F1100DT 73 USA	136-174MHz IDAS portable with 128 channels, display, full DTMF keypad, includes rapid charger	\$500.00
F2100D 66 USA	450-512MHz IDAS portable with 16 channels and no display, includes rapid charger	\$395.00
F2100DS 76 USA	450-512MHz IDAS portable with 128 channels, display and limited keypad, includes rapid charger	\$460.00
F2100DT 86 USA	450-512MHz IDAS portable with 128 channels, LCD, full DTMF keypad, includes rapid charger	\$500.00
F2100D 63 USA	400-470MHz IDAS portable (5W) with 16 channels, no display, includes rapid charger	\$395.00
F2100DS 73 USA	400-470MHz IDAS portable with 128 channels, display, limited keypad, includes rapid charger	\$460.00
F2100DT 83 USA	400-470MHz IDAS portable with 128 channels, LCD, full DTMF keypad, includes rapid charger	\$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
IAFASC450US	430-470MHz stubby antenna with a J type connector	\$9.00
Antennas		
FASC25U	400-430MHz antenna J type connector	\$14.00
FASC25V	136-150MHz antenna J type connector	\$14.00
FASC26US	400-450MHz stubby antenna J type connector	\$16.00
FASC26VS	136-144MHz stubby antenna J type connector	\$16.00
FASC27VS	142-150MHz stubby antenna J type connector	\$16.00
FASC28V	142-162MHz antenna J type connector	\$14.00
FASC29V	160-174MHz antenna J type connector	\$14.00
FASC55V	146-174MHz standard antenna J type connector	\$14.00
FASC56VS	150-160MHz stubby antenna J type connector	\$16.00
FASC57U	430-470MHz standard antenna (red ring) J type connector	\$14.00

Accessories

Model	Description	MSRP
FASC57VS	160-174MHz stubby antenna J type connector	\$16.00
FASC61UC	380-520MHz cut antenna J type connector	\$20.00
FASC61VC	136-174MHz cut antenna for the specific frequency desired	\$20.00
FASC62V	150-160MHz high gain antenna J type connector	\$59.00
FASC63V	155-165MHz high gain antenna J type connector	\$60.00
FASC73US	450-470MHz stubby antenna for J type connector	\$16.00
Batteries		
BP280	Li-ion 7.2V 2280mAh battery	\$100.00
Belt Clips		
MB133	Alligator type belt clip	\$18.00
MB96N	Swivel belt hanger to use with belt clip	\$40.00
Cables		
OPC515L	DC power cable for single unit rapid chargers	\$28.00
Carrying Cases		
LCF1000S	Leather carrying case with a swivel for F1000/2000/D non display radios	\$52.00
LCF1000SS	Leather carrying case with a swivel belt loop and cutout for the display for the F1000S/2000S	\$52.00
LCF1000TS	Leather case for the F1000T/2000T with a full keypad cutout with a swivel loop	\$52.00
NCF1000C	Nylon carrying case with a clip for the F1000/2000/D non display radios	\$32.00
NCF1000SC	Nylon carrying case with a clip and cutout for the display F1000S/2000S	\$32.00
NCF1000TC	Nylon carrying case with a clip and cutout for the display and keypad F1000T/2000T	\$32.00
Chargers		
AD130	Adapter cup that fits into the BC214 for radios with BP279/BP280	\$24.00
BC123SA	Straight-angle AC adapter for rapid chargers; 100-240V with US style plug	\$26.00
BC123SE	AC adapter for rapid chargers; 100-240V with Euro style plug	\$28.00
BC157S	AC adapter for gang chargers; 100-240V with US style plug	\$168.00
BC157SE	AC adapter for gang chargers; 100-240V with Euro style plug	\$168.00
BC213	Rapid charger with a US plug for radios with the BP279/BP280 battery (BC-123SA or BC242 included)	\$64.00

Accessories

Model	Description	MSRP
BC213NAC	Rapid charger cup for radios with the BP279 battery (BC-123S not included)	\$38.00
BC214	Six bank charger with US plug AC adapter and cups installed	\$541.00
BC214E	Six bank charger with EURO plug AC adapter and cups installed	\$541.00
CP23L	12V cigarette lighter cable for use with rapid chargers	\$40.00
MB130	Vehicle charger bracket holds rapid charger; requires cigarette lighter cable	\$88.00
Headsets		
HS94LWP	Earhook headset with boom microphone with 2-pin screw down connector for hands-free operation.	\$63.00
HS95LWP	Behind-the-head type with boom microphone with 2-pin screw down connector	\$305.00
HS97	Earphone with throat mic headset; use with VS/OPC2004/OPC2006/OPC1392	\$45.00
IJKP-HM2PLOW	2-wire kit w/acoustic tube	\$50.00
OPC2004LA	VOX conversion cable to use the HS-97 for the F1000/D products	\$28.00
VS4LA	PTT switch cable to communicate using the HS94/95/97	\$123.00
Microphones		
HM158LA	Compact speaker microphone with revolving clip and earphone jack (right angle 2-pin screw down connector, stereo mic/mono speaker)	\$50.00
HM159LA	Large speaker microphone with earphone jack and metal alligator clip (right angle 2-pin screw down connector, stereo mic/mono speaker)	\$84.00
HM222HLWP	IP68 speaker mic	\$152.00
HM-HD717WP	Large waterproof speaker microphone with 3.5mm accessory jack (right angle 2-pin screw down connector)	\$117.00
SP-AT1	Single pin listen only w/QD acoustic tube (9", 3.5mm L-shape)	\$34.00
Software & Cables		
CSF2100D	Programming software for the F1100D/2100D	\$90.00
OPC478UD	USB programming cable (2-pin connectors handhelds)	\$95.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	\$40.00
Wire Kits		
HM166LA	Earphone microphone with 2-pin right angle connector	\$62.00

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 20 USA	136-174MHz IDAS 128 channel MultiTrunk portable with display. Charger (BC-160) included.	\$546.00
F4230DS 20 USA	400-470MHz IDAS 128 channel MultiTrunk portable with display. Charger (BC-160) included.	\$546.00
F4230DS 34 USA	450-512MHz IDAS 128 channel MultiTrunk portable with display. Charger (BC-160) included.	\$546.00

Accessories

Model	Description	MSRP
ENGRAVE	Engrave radio	\$40.00
EXTWARR611	1 year extended warranty	\$40.00
EXTWARR612	2 year extended warranty	\$70.00
EXTWARR613	3 year extended warranty	\$110.00
IAFASC450US	430-470MHz stubby antenna with a J type connector	\$9.00

Antennas

FASC25U	400-430MHz antenna J type connector	\$14.00
FASC25V	136-150MHz antenna J type connector	\$14.00
FASC26US	400-450MHz stubby antenna J type connector	\$16.00
FASC26VS	136-144MHz stubby antenna J type connector	\$16.00
FASC27VS	142-150MHz stubby antenna J type connector	\$16.00
FASC28V	142-162MHz antenna J type connector	\$14.00
FASC29V	160-174MHz antenna J type connector	\$14.00
FASC55V	146-174MHz standard antenna J type connector	\$14.00
FASC56VS	150-160MHz stubby antenna J type connector	\$16.00
FASC57U	430-470MHz standard antenna (red ring) J type connector	\$14.00
FASC57VS	160-174MHz stubby antenna J type connector	\$16.00
FASC61UC	380-520MHz cut antenna J type connector	\$20.00
FASC61VC	136-174MHz cut antenna for the specific frequency desired	\$20.00
FASC62V	150-160MHz high gain antenna J type connector	\$59.00
FASC63V	155-165MHz high gain antenna J type connector	\$60.00
FASC72U	470-512MHz antenna J type connector	\$14.00
FASC73US	450-470MHz stubby antenna for J type connector	\$16.00

Accessories

Model	Description	MSRP
LARSEN SPHL10160IC	151-163MHz helical ¼ wave antenna center tuned to 157MHz	\$45.00
Batteries		
BP232WP	Li-ion 7.4V 2300mAh (typical capacity), 2250mAh (minimum value) IP67 waterproof battery	\$90.00
Belt Clips		
AW SWIVEL	Swivel clip used with the AW Stud/Swivel Kit.	\$14.00
MB93	Swivel belt clip	\$12.00
MB94	Alligator belt clip	\$11.00
MB94R	Alligator belt clip with long clip that angles the antenna/top of radio off the body	\$19.00
MB96N	Swivel belt hanger to use with belt clip	\$40.00
Cables		
OPC515L	DC power cable for single unit rapid chargers	\$28.00
Chargers		
AD106	Adapter cup for the BC119N/BC121N for the radios with the BP232N/H battery	\$29.00
AD122	Adapter cup that fits into the BC197 22/23 for the BP232N/H batteries	\$24.00
BC147SE 15	AC adapter for trickle chargers; 230V with a Euro style plug	\$17.00
BC157S	AC adapter for gang chargers; 100-240V with US style plug	\$168.00
BC157SE	AC adapter for gang chargers; 100-240V with Euro style plug	\$168.00
BC160	Rapid charger for radios with the BP230/231/232 battery; 100-240V with a US style plug	\$74.00
BC160E	Rapid charger for radios with the BP230/231/232 battery; 100-240V with a Euro style plug	\$74.00
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	\$541.00
Headsets		
HS94	Earpiece headset; use with VS/OPC2004/OPC2006/OPC1392	\$27.00
HS95	Headset with boom mic; use with VS/OPC2004/OPC2006/OPC1392	\$230.00
HS97	Earphone with throat mic headset; use with VS/OPC2004/OPC2006/OPC1392	\$45.00
VS1L	VOX/PTT case with 2-pin right angle connector. Must use with HS94/HS95/HS97	\$46.00

Accessories

Model	Description	MSRP
Microphones		
HM158LA	Compact speaker microphone with revolving clip and earphone jack (right angle 2-pin screw down connector, stereo mic/mono speaker)	\$50.00
HM159LA	Large speaker microphone with earphone jack and metal alligator clip (right angle 2-pin screw down connector, stereo mic/mono speaker)	\$84.00
HM-HD7I7WP	Large waterproof speaker microphone with 3.5mm accessory jack (right angle 2-pin screw down connector)	\$117.00
Software & Cables		
CSF3210D	Programming software for F3210D/4210D, F3230D/4230D & F5220D/6220D	\$90.00
OPC478UD	USB programming cable (2-pin connectors handhelds)	\$95.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	\$40.00
Wire Kits		
HM166LA	Earphone microphone with 2-pin right angle connector	\$62.00

F3261DT NI (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)



MULTITRUNK



Configurations

Model	Description	MSRP
F3261DT NI	136-174MHz nonincendive rated waterproof IDAS radio, full DTMF keypad	\$901.00

Accessories

Model	Description	MSRP
ENGRAVE	Engrave radio	\$40.00
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	\$14.00
FASC25V	136-150MHz antenna J type connector	\$14.00
FASC26US	400-450MHz stubby antenna J type connector	\$16.00
FASC26VS	136-144MHz stubby antenna J type connector	\$16.00
FASC27VS	142-150MHz stubby antenna J type connector	\$16.00
FASC28V	142-162MHz antenna J type connector	\$14.00
FASC29V	160-174MHz antenna J type connector	\$14.00
FASC55V	146-174MHz standard antenna J type connector	\$14.00
FASC56VS	150-160MHz stubby antenna J type connector	\$16.00
FASC57U	430-470MHz standard antenna (red ring) J type connector	\$14.00
FASC57VS	160-174MHz stubby antenna J type connector	\$16.00
FASC61UC	380-520MHz cut antenna J type connector	\$20.00
FASC61VC	136-174MHz cut antenna for the specific frequency desired	\$20.00
FASC62V	150-160MHz high gain antenna J type connector	\$59.00
FASC63V	155-165MHz high gain antenna J type connector	\$60.00
FASC72U	470-512MHz antenna J type connector	\$14.00
FASC73US	450-470MHz stubby antenna for J type connector	\$16.00
LARSEN SPHL10160IC	151-163MHz helical ¼ wave antenna center tuned to 157MHz	\$45.00

Accessories

Model	Description	MSRP
Batteries		
BP232UL	Li-ion 7.4V 2300mAh (typical capacity), 2250mAh (minimum value) for the nonincendive approved radios	\$184.00
BP232WP	Li-ion 7.4V 2300mAh (typical capacity), 2250mAh (minimum value) IP67 waterproof battery	\$90.00
Belt Clips		
MB93	Swivel belt clip	\$12.00
MB94	Alligator belt clip	\$11.00
MB94R	Alligator belt clip with long clip that angles the antenna/top of radio off the body	\$19.00
MB96N	Swivel belt hanger to use with belt clip	\$40.00
Cables		
OPC515L	DC power cable for single unit rapid chargers	\$28.00
Carrying Cases		
LCF3261S SWIVEL	Leather carrying case with a swivel clip and cutout for the display for F3261	\$52.00
Chargers		
AD106	Adapter cup for the BC119N/BC121N for the radios with the BP232N/H battery	\$29.00
AD122	Adapter cup that fits into the BC197 22/23 for the BP232N/H batteries	\$24.00
BC123SA	Straight-angle AC adapter for rapid chargers; 100-240V with US style plug	\$26.00
BC123SE	AC adapter for rapid chargers; 100-240V with Euro style plug	\$28.00
BC157S	AC adapter for gang chargers; 100-240V with US style plug	\$168.00
BC157SE	AC adapter for gang chargers; 100-240V with Euro style plug	\$168.00
BC160	Rapid charger for radios with the BP230/231/232 battery; 100-240V with a US style plug	\$74.00
BC160E	Rapid charger for radios with the BP230/231/232 battery; 100-240V with a Euro style plug	\$74.00
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	\$541.00
CP23L	12V cigarette lighter cable for use with rapid chargers	\$40.00
MB130	Vehicle charger bracket holds rapid charger; requires cigarette lighter cable	\$88.00
SS BC61	Mobile rapid charger with cigarette adapter for the F3161 & F3261 series	\$226.00

Accessories

Model	Description	MSRP
Headsets		
HS94	Earpiece headset; use with VS/OPC2004/OPC2006/OPC1392	\$27.00
HS95	Headset with boom mic; use with VS/OPC2004/OPC2006/OPC1392	\$230.00
HS97	Earphone with throat mic headset; use with VS/OPC2004/OPC2006/OPC1392	\$45.00
Microphones		
HM184H	14-pin loud waterproof speaker mic (no accessory jack)	\$126.00
HM184UL	14-pin intrinsically safe approved waterproof speaker mic (no accessory jack)	\$215.00
HM-HD7I6WGP	Large waterproof, high gain speaker microphone with 3.5mm accessory jack (14-pin connector)	\$130.00
IMPACT HD3-I6	Lightweight heavy duty use speaker mic with 3.5mm accessory jack (14-pin connector)	\$117.00
SP-AT1	Single pin listen only w/QD acoustic tube (9", 3.5mm L-shape)	\$34.00
Miscellaneous		
AD118	14-pin ACC adapter to use with Hirose plug accessories	\$86.00
Software & Cables		
CSF3161/F5061	Software to program the F3161/4161 & F5061/6061 radios	\$90.00
OPC1870	Radio to radio cloning cable between two 14-pin connector portable radios	\$131.00
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	\$118.00
OPC2338	14-pin programming cable plus transparent data transfer	\$251.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	\$40.00

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



FEATURES

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

Digital 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-294)
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 17 USA	136-174MHz compact, IDAS, waterproof portable with 512 channels. Purchase antenna and charger separately.	\$730.00
F62D 17 USA	400-470MHz compact IDAS waterproof portable with 512 channels. Purchase antenna and charger separately.	\$730.00
F62D 27 USA	450-512MHz compact IDAS waterproof portable with 512 channels. Purchase antenna and charger separately.	\$730.00

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
IAFASC450US	430-470MHz stubby antenna with a J type connector	\$9.00

Antennas

FASC25U	400-430MHz antenna J type connector	\$14.00
FASC25V	136-150MHz antenna J type connector	\$14.00
FASC26US	400-450MHz stubby antenna J type connector	\$16.00
FASC26VS	136-144MHz stubby antenna J type connector	\$16.00
FASC27VS	142-150MHz stubby antenna J type connector	\$16.00
FASC28V	142-162MHz antenna J type connector	\$14.00
FASC29V	160-174MHz antenna J type connector	\$14.00
FASC56VS	150-160MHz stubby antenna J type connector	\$16.00
FASC57U	430-470MHz standard antenna (red ring) J type connector	\$14.00
FASC57VS	160-174MHz stubby antenna J type connector	\$16.00
FASC61UC	380-520MHz cut antenna J type connector	\$20.00
FASC61VC	136-174MHz cut antenna for the specific frequency desired	\$20.00
FASC62V	150-160MHz high gain antenna J type connector	\$59.00
FASC63V	155-165MHz high gain antenna J type connector	\$60.00
FASC72U	470-512MHz antenna J type connector	\$14.00
FASC73US	450-470MHz stubby antenna for J type connector	\$16.00

Accessories

Model	Description	MSRP
Batteries		
BP291	Battery case 5 x AA	\$53.00
BP294	3150mAh li-ion battery for the F52D/F62D/M85	\$130.00
Belt Clips		
MB136	Swivel belt clip for F1000/F3400/F7010/F52D/M85 series	\$16.00
MB96N	Swivel belt hanger to use with belt clip	\$40.00
MBB3	Standard belt clip	\$17.00
Cables		
OPC515L	DC power cable for single unit rapid chargers	\$28.00
Carrying Cases		
LCF1052S	Leather case with swivel belt loop and D-ring for the F52D	\$52.00
NCF1052C	Nylon case for the F52D with a clip	\$32.00
Chargers		
BC123SA	Straight-angle AC adapter for rapid chargers; 100-240V with US style plug	\$26.00
BC123SE	AC adapter for rapid chargers; 100-240V with Euro style plug	\$28.00
BC157S	AC adapter for gang chargers; 100-240V with US style plug	\$168.00
BC157SE	AC adapter for gang chargers; 100-240V with Euro style plug	\$168.00
BC214-1	Six gang charger (includes AC adapter with US plug)	\$541.00
BC214-1E	Six gang charger (includes AC adapter with Euro plug)	\$541.00
BC219N	Rapid charger for radios with the BP283/BP284/BP294; 100-240V with a US style plug	\$76.00
BC225	Smart rapid charger; 100-240V with a US style plug	\$142.00
CP23L	12V cigarette lighter cable for use with rapid chargers	\$40.00
Headsets		
HS94	Earpiece headset; use with VS/OPC2004/OPC2006/OPC1392	\$27.00
HS95	Headset with boom mic; use with VS/OPC2004/OPC2006/OPC1392	\$230.00
HS97	Earphone with throat mic headset; use with VS/OPC2004/OPC2006/OPC1392	\$45.00

Accessories

Model	Description	MSRP
VS3	Compact lapel PTT Bluetooth with earphone w/3.5mm jack	\$184.00
VS5MC	VOX/PTT switch cable to use with headset (HS94/95/97)	\$161.00
Microphones		
HM184H	14-pin loud waterproof speaker mic (no accessory jack)	\$126.00
HM222H	IP68 waterproof speaker microphone w/3.5mm accessory jack (14-pin connector)	\$165.00
HM233GP	GPS microphone IP67	\$299.00
HM-HD7I6WP	Large waterproof, high gain speaker microphone with 3.5mm accessory jack (14-pin connector)	\$130.00
IAHM600	Heavy duty Bluetooth speaker microphone with loud audio, water/dust resistant & 40+ hours of talk time (charger included)	\$290.00
SP27	Acoustic tube earphone with a clip (3.5mm)	\$38.00
SP29	Earhook type earphone with 3.5mm plug	\$27.00
SP40	Earphone with 3.5mm plug	\$32.00
SP-AT1	Single pin listen only w/QD acoustic tube (9", 3.5mm L-shape)	\$34.00
Miscellaneous		
AD118	14-pin ACC adapter to use with Hirose plug accessories	\$86.00
AD135	3.5mm earphone jack adapter that plugs into a 14-pin connector	\$45.00
ISL-AK25K	Add 25kHz into the radio	\$13.00
Software & Cables		
CSF52D	F52D/F62D programming software	\$90.00
CSOTPM1	Over-the-air programming (OTAP) manager software	\$546.00
OPC1870	Radio to radio cloning cable between two 14-pin connector portable radios	\$131.00
OPC2338	14-pin programming cable plus transparent data transfer	\$251.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	\$40.00
RSBC225	Battery management software for the BP-283/284/BP290. Can connect up to 30 BC-225 chargers to it.	\$263.00
Trunking		
ISL-UGMTR	Type D trunking license for single and multi-site trunking	\$125.00

Accessories

Model	Description	MSRP
Wire Kits		
EH15B	Earphone with 2.5mm plug to use with HM-163MC	\$33.00
HM163MC	Lapel mic with 2.5mm earphone jack	\$210.00
SP26	Tube earphone with 2.5mm plug to use with HM-163MC/HM-153LS	\$27.00
SP28	Earhook type earphone with 2.5mm plug to use with HM-163MC/HM-153LS	\$27.00
SP32	Tube adapter for use with the EH-15B	\$32.00

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



FEATURES

- 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

Digital 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 12 USA	136-174MHz intrinsically safe, IDAS waterproof portable with 512 channels. Purchase antenna and charger separately.	\$945.00
F62DUL 12 USA	400-470MHz intrinsically safe, compact IDAS waterproof portable with 512 channels. Purchase antenna and charger separately.	\$945.00
F62DUL 22 USA	450-512MHz intrinsically safe, compact IDAS waterproof portable with 512 channels. Purchase antenna and charger separately.	\$945.00

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
IAFASC450US	430-470MHz stubby antenna with a J type connector	\$9.00

Antennas

FASC25U	400-430MHz antenna J type connector	\$14.00
FASC25V	136-150MHz antenna J type connector	\$14.00
FASC26US	400-450MHz stubby antenna J type connector	\$16.00
FASC26VS	136-144MHz stubby antenna J type connector	\$16.00
FASC27VS	142-150MHz stubby antenna J type connector	\$16.00
FASC28V	142-162MHz antenna J type connector	\$14.00
FASC29V	160-174MHz antenna J type connector	\$14.00
FASC56VS	150-160MHz stubby antenna J type connector	\$16.00
FASC57U	430-470MHz standard antenna (red ring) J type connector	\$14.00
FASC57VS	160-174MHz stubby antenna J type connector	\$16.00
FASC61UC	380-520MHz cut antenna J type connector	\$20.00
FASC61VC	136-174MHz cut antenna for the specific frequency desired	\$20.00
FASC62V	150-160MHz high gain antenna J type connector	\$59.00
FASC63V	155-165MHz high gain antenna J type connector	\$60.00
FASC72U	470-512MHz antenna J type connector	\$14.00
FASC73US	450-470MHz stubby antenna for J type connector	\$16.00

Accessories

Model	Description	MSRP
Batteries		
BP292UL	2010mAh li-ion intrinsically safe battery	\$289.00
Belt Clips		
MB136	Swivel belt clip for F1000/F3400/F7010/F52D/M85 series	\$16.00
MB96N	Swivel belt hanger to use with belt clip	\$40.00
MBB3	Standard belt clip	\$17.00
Cables		
OPC515L	DC power cable for single unit rapid chargers	\$28.00
Carrying Cases		
LCF1052S	Leather case with swivel belt loop and D-ring for the F52D	\$52.00
NCF1052C	Nylon case for the F52D with a clip	\$32.00
Chargers		
BC226	Connectable rapid charger (connect up to 6). Requires AC adapter: BC123S for single use or BC228 for 2+	\$80.00
BC227	Rapid charger that goes into trickle mode at a 80% charge (US Plug)	\$72.00
BC228	AC adapter for connectable chargers (BC226, BC202IP3, & BC257). Use one BC228 for up to 4 BC257's, 6 BC202IP3 or BC226 chargers.	\$79.00
CP23L	12V cigarette lighter cable for use with rapid chargers	\$40.00
Microphones		
HM184UL	14-pin intrinsically safe approved waterproof speaker mic (no accessory jack)	\$215.00
Miscellaneous		
ISL-AK25K	Add 25kHz into the radio	\$13.00
Software & Cables		
CSF52D	F52D/F62D programming software	\$90.00
CSOTPM1	Over-the-air programming (OTAP) manager software	\$546.00
OPC1870	Radio to radio cloning cable between two 14-pin connector portable radios	\$131.00

Accessories

Model	Description	MSRP
OPC2338	14-pin programming cable plus transparent data transfer	\$251.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	\$40.00
Trunking		
ISL-UGMTR	Type D trunking license for single and multi-site trunking	\$125.00

F3400D – F4400D Series

VHF UHF Digital Portable

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:	12.0oz (w/BP-284)
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 (requires license)
- 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 CSOTAR1 software)



MULTITRUNK



IDAS™
ICOM DIGITAL ROVANCED SYSTEM

Configurations

Model	Description	MSRP
F3400DS 51 USA	136-174MHz IDAS portable with 1024 channels and a color display. Purchase antenna and charger separately.	\$882.00
F3400DT 41 USA	136-174MHz IDAS portable with 1024 channels, a color display, and full DTMF keypad. Purchase antenna and charger separately.	\$940.00
F4400DS 81 USA	380-470MHz IDAS portable with 1024 channels, and a color display. Purchase antenna and charger separately.	\$882.00
F4400DT 71 USA	380-470MHz IDAS portable with 1024 channels, a color display, and full DTMF keypad. Purchase antenna and charger separately.	\$940.00
F4400DS 43 USA	450-512MHz IDAS portable with 1024 channels and a color display. Purchase antenna and charger separately.	\$882.00
F4400DT 33 USA	450-512MHz IDAS portable with 1024 channels, a color display, and full DTMF keypad. Purchase antenna and charger separately.	\$940.00

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	\$32.00
FAS76UC	380-520MHz cut antenna for F4400/F9021	\$32.00
FAS81U	380-430MHz antenna for F4400	\$23.00
FAS81US	400-450MHz stubby antenna for F4400	\$20.00
FAS81V	136-150MHz antenna for F3400/F7010/F9011	\$23.00
FAS82U	430-480MHz antenna for F4400	\$23.00
FAS82US	450-490MHz stubby antenna for F4400	\$20.00
FAS82V	148-162MHz antenna	\$23.00
FAS82VS	148-162MHz stubby antenna	\$20.00
FAS83U	470-520MHz antenna for F4400	\$23.00
FAS83V	160-174MHz antenna for F3400	\$23.00
Batteries		
BP284	Li-ion 7.4V 3210mAh (typical capacity), 3070mAh (minimum value)	\$187.00

Accessories

Model	Description	MSRP
BP305	Battery case AA x5	\$110.00
Belt Clips		
MB133	Alligator type belt clip	\$18.00
MB136	Swivel belt clip for F1000/F3400/F7010/F52D/M85 series	\$16.00
MB96N	Swivel belt hanger to use with belt clip	\$40.00
Cables		
IAOPC1003	USB to micro-USB 3ft cable	\$13.00
OPC515L	DC power cable for single unit rapid chargers	\$28.00
Carrying Cases		
LCF1035SW	Leather case with swivel belt loop and D-ring; display cutout for the F3400DS & F7010S	\$52.00
LCF1036SW	Leather case with swivel belt loop and D-ring; display & full keypad cutout for the F3400DT & F7010T	\$52.00
NCF1035C	Nylon case with metal clip with display cutout; F3400DS/F7010S	\$32.00
NCF1036C	Nylon case with metal clip with full keypad cutout; F3400DT/F7010T	\$32.00
Chargers		
BC123SA	Straight-angle AC adapter for rapid chargers; 100-240V with US style plug	\$26.00
BC123SE	AC adapter for rapid chargers; 100-240V with Euro style plug	\$28.00
BC157S	AC adapter for gang chargers; 100-240V with US style plug	\$168.00
BC157SE	AC adapter for gang chargers; 100-240V with Euro style plug	\$168.00
BC214-1	Six gang charger (includes AC adapter with US plug)	\$541.00
BC214-1E	Six gang charger (includes AC adapter with Euro plug)	\$541.00
BC219E	Rapid charger for radios with the BP283/BP28/BP290/BP294 batteries; 100-240V with a Euro style plug	\$76.00
BC219N	Rapid charger for radios with the BP283/BP284/BP294; 100-240V with a US style plug	\$76.00
BC225	Smart rapid charger; 100-240V with a US style plug	\$142.00
BC226	Connectable rapid charger (connect up to 6). Requires AC adapter: BC123S for single use or BC228 for 2+	\$80.00
BC228	AC adapter for connectable chargers (BC226, BC202IP3, & BC257). Use one BC228 for up to 4 BC257's, 6 BC202IP3 or BC226 chargers.	\$79.00

Accessories

Model	Description	MSRP
CP23L	12V cigarette lighter cable for use with rapid chargers	\$40.00
IABC1019	Heavy duty vehicular charger	\$420.00
SS BC62	Mobile rapid charger with cigarette adapter for the F3400 & F7010 series	\$247.00
Encryption & Internal Modules		
CSKLD2 12 EXP	Encryption key loader software for F3400/F5400 series	\$650.00
INSTALL-MF	Install a component or license into an LM mobile or portable	\$40.00
ISL-AKAES	AES activation code for F3400/F5400 series	\$360.00
UT134	AES/DES encryption board; requires ISL code to activate AES	\$197.00
Headsets		
HS94	Earpiece headset; use with VS/OPC2004/OPC2006/OPC1392	\$27.00
HS95	Headset with boom mic; use with VS/OPC2004/OPC2006/OPC1392	\$230.00
HS97	Earphone with throat mic headset; use with VS/OPC2004/OPC2006/OPC1392	\$45.00
Microphones		
HM184H	14-pin loud waterproof speaker mic (no accessory jack)	\$126.00
HM222H	IP68 waterproof speaker microphone w/3.5mm accessory jack (14-pin connector)	\$165.00
HM-HD7I6WP	Large waterproof, high gain speaker microphone with 3.5mm accessory jack (14-pin connector)	\$130.00
IAHM600	Heavy duty Bluetooth speaker microphone with loud audio, water/dust resistant & 40+ hours of talk time (charger included)	\$290.00
SP27	Acoustic tube earphone with a clip (3.5mm)	\$38.00
SP29	Earhook type earphone with 3.5mm plug	\$27.00
SP40	Earphone with 3.5mm plug	\$32.00
SP-AT1	Single pin listen only w/QD acoustic tube (9", 3.5mm L-shape)	\$34.00
Miscellaneous		
AD118	14-pin ACC adapter to use with Hirose plug accessories	\$86.00
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

Accessories

Model	Description	MSRP
MSD CARD	32GB micro SD card	\$32.00
Software & Cables		
CSF3400D	Programming software for the F3400D/F5400D series	\$90.00
CSOTPM1	Over-the-air programming (OTAP) manager software	\$546.00
OPC1870	Radio to radio cloning cable between two 14-pin connector portable radios	\$131.00
OPC2338	14-pin programming cable plus transparent data transfer	\$251.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	\$40.00
Trunking		
ISL-UGMTR	Type D trunking license for single and multi-site trunking	\$125.00

F7010 – F7020 – F7040 Series

P25 Conventional & Analog Portables

SPECS

Frequencies:	136-174, 380-470, 450-512, 769-775, 851-869MHz
Output Power:	5W
Channels:	1024 w/128 zones
Channel Spacing:	12.5kHz
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 13 USA	136-174MHz P25 conventional portable without a full keypad. Purchase antenna and charger separately.	\$1,659.00
F7010T 23 USA	136-174MHz P25 conventional portable with full DTMF keypad. Purchase antenna and charger separately.	\$1,733.00
F7020S 51 USA	380-470MHz P25 conventional portable without a full keypad. Purchase antenna and charger separately.	\$1,659.00
F7020T 21	380-470MHz P25 conventional portable with full DTMF keypad. Purchase antenna and charger separately.	\$1,733.00
F7020S 71 USA	450-512MHz P25 conventional portable without a full keypad. Purchase antenna and charger separately.	\$1,659.00
F7020T 41	450-512MHz P25 conventional portable with full DTMF keypad. Purchase antenna and charger separately.	\$1,733.00
F7040S 31 USA	7/800MHz P25 conventional portable with partial keypad.	\$1,680.00
F7040T	7/800MHz P25 conventional portable with full DTMF keypad.	\$1,754.00

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-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
ISL-P25W	Enable 25kHz in the F7010/F7510 radios	\$5.00
Antennas		
FAS100U	7/800MHz antenna	\$26.00
FAS67VC	136-174MHz cut antenna - F3400/F7010/F9011	\$32.00
FAS76UC	380-520MHz cut antenna for F4400/F9021	\$32.00
FAS81U	380-430MHz antenna for F4400	\$23.00
FAS81US	400-450MHz stubby antenna for F4400	\$20.00
FAS81V	136-150MHz antenna for F3400/F7010/F9011	\$23.00
FAS82U	430-480MHz antenna for F4400	\$23.00

Accessories

Model	Description	MSRP
FAS82US	450-490MHz stubby antenna for F4400	\$20.00
FAS82V	148-162MHz antenna	\$23.00
FAS82VS	148-162MHz stubby antenna	\$20.00
FAS83U	470-520MHz antenna for F4400	\$23.00
FAS83V	160-174MHz antenna for F3400	\$23.00
GAL 06026	VHF Wideband 136-174MHz Helical Antenna.	\$105.00
Batteries		
BP284	Li-ion 7.4V 3210mAh (typical capacity), 3070mAh (minimum value)	\$187.00
BP305	Battery case AA x5	\$110.00
Belt Clips		
MB133	Alligator type belt clip	\$18.00
MB136	Swivel belt clip for F1000/F3400/F7010/F52D/M85 series	\$16.00
MB96N	Swivel belt hanger to use with belt clip	\$40.00
Cables		
IAOPC1003	USB to micro-USB 3ft cable	\$13.00
OPC515L	DC power cable for single unit rapid chargers	\$28.00
Carrying Cases		
LCF1035SW	Leather case with swivel belt loop and D-ring; display cutout for the F3400DS & F7010S	\$52.00
LCF1036SW	Leather case with swivel belt loop and D-ring; display & full keypad cutout for the F3400DT & F7010T	\$52.00
NCF1035C	Nylon case with metal clip with display cutout; F3400DS/F7010S	\$32.00
NCF1036C	Nylon case with metal clip with full keypad cutout; F3400DT/F7010T	\$32.00
Chargers		
BC123SA	Straight-angle AC adapter for rapid chargers; 100-240V with US style plug	\$26.00
BC123SE	AC adapter for rapid chargers; 100-240V with Euro style plug	\$28.00
BC157S	AC adapter for gang chargers; 100-240V with US style plug	\$168.00
BC157SE	AC adapter for gang chargers; 100-240V with Euro style plug	\$168.00

Accessories

Model	Description	MSRP
BC214-1	Six gang charger (includes AC adapter with US plug)	\$541.00
BC214-1E	Six gang charger (includes AC adapter with Euro plug)	\$541.00
BC219E	Rapid charger for radios with the BP283/BP28/BP290/BP294 batteries; 100-240V with a Euro style plug	\$76.00
BC219N	Rapid charger for radios with the BP283/BP284/BP294; 100-240V with a US style plug	\$76.00
BC225	Smart rapid charger; 100-240V with a US style plug	\$142.00
CP23L	12V cigarette lighter cable for use with rapid chargers	\$40.00
IABC1019	Heavy duty vehicular charger	\$420.00
SS BC62	Mobile rapid charger with cigarette adapter for the F3400 & F7010 series	\$247.00
Encryption & Internal Modules		
INSTALL-MF	Install a component or license into an LM mobile or portable	\$40.00
ISL-P25AES/ARC4	License enables AES and ARC4 in P25 radios (requires UT134 or UT125 FIPS-2)	\$360.00
OPC-IAKVL14	Interface Cable with 14 Pin Connector between P25 portable & KA KVL125	\$242.00
UT125 FIPS-2	FIPS 140-2 encryption board; requires ISL-P25AES license key to activate AES	\$872.00
UT134	AES/DES encryption board; requires ISL code to activate AES	\$197.00
Headsets		
HS94	Earpiece headset; use with VS/OPC2004/OPC2006/OPC1392	\$27.00
HS95	Headset with boom mic; use with VS/OPC2004/OPC2006/OPC1392	\$230.00
HS97	Earphone with throat mic headset; use with VS/OPC2004/OPC2006/OPC1392	\$45.00
VS3	Compact lapel PTT Bluetooth with earphone w/3.5mm jack	\$184.00
Microphones		
HM184H	14-pin loud waterproof speaker mic (no accessory jack)	\$126.00
HM222H	IP68 waterproof speaker microphone w/3.5mm accessory jack (14-pin connector)	\$165.00
HM-HD7I6WP	Large waterproof, high gain speaker microphone with 3.5mm accessory jack (14-pin connector)	\$130.00
IAHM600	Heavy duty Bluetooth speaker microphone with loud audio, water/dust resistant & 40+ hours of talk time (charger included)	\$290.00
SP27	Acoustic tube earphone with a clip (3.5mm)	\$38.00
SP29	Earhook type earphone with 3.5mm plug	\$27.00

Accessories

Model	Description	MSRP
SP40	Earphone with 3.5mm plug	\$32.00
SP-AT1	Single pin listen only w/QD acoustic tube (9", 3.5mm L-shape)	\$34.00
Miscellaneous		
AD118	14-pin ACC adapter to use with Hirose plug accessories	\$86.00
Software & Cables		
CSOTPM2	P25 over-the-air programming (OTAP) manager software; support only conventional mode	\$840.00
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	\$525.00
IASKF7S	Accessory Advanced System Key (AASK) USB dongle required for programming P25 trunking parameters. Note: shipped unprogrammed; requires P25 trunking system owner to program	\$236.00
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.	\$242.00
OPC1870	Radio to radio cloning cable between two 14-pin connector portable radios	\$131.00
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	\$118.00
OPC2338	14-pin programming cable plus transparent data transfer	\$251.00
OPC2362	Handheld to mobile zone copy cable (14-pin to 10-pin DIM)	\$105.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	\$40.00
RSBC225	Battery management software for the BP-283/284/BP290. Can connect up to 30 BC-225 chargers to it.	\$263.00
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 66 USA	136-174MHz mobile	\$372.00
F6011 66 USA	400-470MHz mobile	\$372.00
F6011 67 USA	450-512MHz mobile	\$372.00

Accessories

Model	Description	MSRP
ENGRAVE	Engrave radio	\$40.00
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	\$20.00
ANTENNA 2	144-174MHz 3dB gain mountable antenna, CHR, 59" high	\$55.00
ANTENNA 3	450-470MHz 5dB gain mountable antenna, CHR, 40" high	\$62.00
ANTENNA 4	152-162MHz, unity gain antenna, NMO compatible, 21.6". Factory tuned to 157MHz	\$22.00

Cables

OPC1132	DC power cable (9.8ft) with 2-pin T connector.	\$48.00
OPC1939	D-Sub 15-pin ACC cable. Connects with a PC, external speaker, external channel control, ignition sense line or vehicle horn	\$102.00
OPC2078	D-Sub 25-pin ACC cable. Connects with a PC, external speaker, external channel control, ignition sense line or vehicle horn	\$100.00
OPC2500	2 m, 6.56 ft extension cable for HM-245	\$39.00
OPC440	Microphone extension cable (RJ-45 M/F) (16.4ft)	\$107.00

External Speakers

SP30	20W large external speaker	\$123.00
SP35	5W external speaker with 3.5mm speaker jack and 2m cable	\$64.00

Microphones

HM148G	Self grounding microphone for mobile radios	\$72.00
HM148T	DMTF mobile microphone	\$112.00

Accessories

Model	Description	MSRP
HM152	Microphone for low/mid range mobile radios	\$50.00
HM152T	DTMF modular microphone for LM mobile radios	\$102.00
HM249 12	Hands-free microphone for mobile radios	\$169.00
SM26	Desktop microphone with monitor switch for mobile radios	\$110.00
Mounting Hardware		
F121 MMB	Mounting bracket F121/F221 F5011 series	\$12.00
MOUNT 1	NMO Permanent Mount, 17ft RG58 cable, PL259 connector	\$29.00
MOUNT 3	Black Magnetic Mount - 3 1/4" diameter, 12ft RG58 cable w/PL259 connector	\$50.00
Power Supplies		
CONTROL STATION ASSEMBLE	Install mobile into power supply and cabinet to make control station	\$20.00
IAPS04	110V power supply and cabinet for control station use for F5011/5021/F5121/F5220	\$380.00
Software & Cables		
CSF3021/F5021/F5011	F3021/5021/5011 series programming software	\$90.00
OPC2344	PC to mobile radio programming cloning cable with USB connector.	\$115.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	\$40.00

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 66 USA	136-174MHz mobile	\$423.00
F6021 56 USA	400-470MHz mobile	\$423.00
F6021 57 USA	450-512MHz mobile	\$423.00

Accessories

Model	Description	MSRP
ENGRAVE	Engrave radio	\$40.00
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	\$20.00
ANTENNA 2	144-174MHz 3dB gain mountable antenna, CHR, 59" high	\$55.00
ANTENNA 3	450-470MHz 5dB gain mountable antenna, CHR, 40" high	\$62.00
ANTENNA 4	152-162MHz, unity gain antenna, NMO compatible, 21.6". Factory tuned to 157MHz	\$22.00
Cables		
OPC1132	DC power cable (9.8ft) with 2-pin T connector.	\$48.00
OPC1939	D-Sub 15-pin ACC cable. Connects with a PC, external speaker, external channel control, ignition sense line or vehicle horn	\$102.00
OPC2078	D-Sub 25-pin ACC cable. Connects with a PC, external speaker, external channel control, ignition sense line or vehicle horn	\$100.00
OPC2500	2 m, 6.56 ft extension cable for HM-245	\$39.00
OPC440	Microphone extension cable (RJ-45 M/F) (16.4ft)	\$107.00
External Speakers		
SP30	20W large external speaker	\$123.00
SP35	5W external speaker with 3.5mm speaker jack and 2m cable	\$64.00
Microphones		
HM148G	Self grounding microphone for mobile radios	\$72.00
HM148T	DMTF mobile microphone	\$112.00

Accessories

Model	Description	MSRP
HM152	Microphone for low/mid range mobile radios	\$50.00
HM152T	DTMF modular microphone for LM mobile radios	\$102.00
HM249 12	Hands-free microphone for mobile radios	\$169.00
SM26	Desktop microphone with monitor switch for mobile radios	\$110.00
Mounting Hardware		
MOUNT 1	NMO Permanent Mount, 17ft RG58 cable, PL259 connector	\$29.00
MOUNT 3	Black Magnetic Mount - 3 1/4" diameter, 12ft RG58 cable w/PL259 connector	\$50.00
Power Supplies		
CONTROL STATION ASSEMBLE	Install mobile into power supply and cabinet to make control station	\$20.00
IAPS04	110V power supply and cabinet for control station use for F5011/5021/F5121/F5220	\$380.00
Software & Cables		
CSF3021/F5021/F5011	F3021/5021/5011 series programming software	\$90.00
OPC2344	PC to mobile radio programming cloning cable with USB connector.	\$115.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	\$40.00

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	\$683.00
F6121D 76 USA	400-470MHz IDAS mobile	\$683.00

Accessories

Model	Description	MSRP
ENGRAVE	Engrave radio	\$40.00
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	\$20.00
ANTENNA 2	144-174MHz 3dB gain mountable antenna, CHR, 59" high	\$55.00
ANTENNA 3	450-470MHz 5dB gain mountable antenna, CHR, 40" high	\$62.00
ANTENNA 4	152-162MHz, unity gain antenna, NMO compatible, 21.6". Factory tuned to 157MHz	\$22.00

Cables

OPC1132	DC power cable (9.8ft) with 2-pin T connector.	\$48.00
OPC1939	D-Sub 15-pin ACC cable. Connects with a PC, external speaker, external channel control, ignition sense line or vehicle horn	\$102.00
OPC2078	D-Sub 25-pin ACC cable. Connects with a PC, external speaker, external channel control, ignition sense line or vehicle horn	\$100.00
OPC2500	2 m, 6.56 ft extension cable for HM-245	\$39.00
OPC440	Microphone extension cable (RJ-45 M/F) (16.4ft)	\$107.00

External Speakers

SP30	20W large external speaker	\$123.00
SP35	5W external speaker with 3.5mm speaker jack and 2m cable	\$64.00

Microphones

HM148G	Self grounding microphone for mobile radios	\$72.00
HM148T	DMTF mobile microphone	\$112.00
HM152	Microphone for low/mid range mobile radios	\$50.00

Accessories

Model	Description	MSRP
HM152T	DTMF modular microphone for LM mobile radios	\$102.00
HM249 12	Hands-free microphone for mobile radios	\$169.00
SM26	Desktop microphone with monitor switch for mobile radios	\$110.00
Mounting Hardware		
F121 MMB	Mounting bracket F121/F221 F5011 series	\$12.00
MOUNT 1	NMO Permanent Mount, 17ft RG58 cable, PL259 connector	\$29.00
MOUNT 3	Black Magnetic Mount - 3 1/4" diameter, 12ft RG58 cable w/PL259 connector	\$50.00
Power Supplies		
CONTROL STATION ASSEMBLE	Install mobile into power supply and cabinet to make control station	\$20.00
IAPS04	110V power supply and cabinet for control station use for F5011/5021/F5121/F5220	\$380.00
Software & Cables		
CSF3101D/F5121D	F3101D/F5121D series programming software	\$90.00
OPC2344	PC to mobile radio programming cloning cable with USB connector.	\$115.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	\$40.00

F5130D – F6130D Series

Entry-level IDAS™ Mobile Radio

SPECS

Frequencies:	136-174, 400-512 MHz
Output Power:	50W (VHF); 45W (UHF)
Channels:	128 channels, 8 zones
Channel Spacing:	12.5kHz; 6.25kHz Digital
LCD Display:	8 character alphanumeric black background LCD
Mil Spec:	810 C, D, E, F, G
Programmable keys:	4
Scan:	Voting, priority & non-priority
Weight (approx):	2.7 lbs.



FEATURES

General Features:

- Analog, digital mixed mode
- CTCSS/2-Tone/5-Tone/MDC
- GPS position display
- Programmable DTMF microphone
- Microphone hanger action programmable
- Emergency call and Lone worker
- Remote monitor (RX)
- Radio kill, stun, and revive
- Power ON password

Digital Features:

- NXDN™ conventional, multi-site conventional, simulcast
- NXDN single-site trunking
- PTT ID and ANI
- Over-the-Air Alias (OAA)
- Short data messaging
- Individual, group, and all call
- Call alert
- Radio check (RX only)
- Call log
- Talk back timer

COMES WITH

Hand microphone (HM-152)
Microphone hanger
DC power cable
Mounting bracket kit
Warranty: 2 years

Configurations

Model	Description	MSRP
F5130D 11 USA	50W, 136-174MHz, IDAS mobile radio	\$550.00
F6130D 11 USA	45W 400-512MHz, IDAS mobile radio	\$550.00

Accessories

Model	Description	MSRP
ENGRAVE	Engrave radio	\$40.00
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	\$20.00
ANTENNA 2	144-174MHz 3dB gain mountable antenna, CHR, 59" high	\$55.00
ANTENNA 3	450-470MHz 5dB gain mountable antenna, CHR, 40" high	\$62.00
ANTENNA 4	152-162MHz, unity gain antenna, NMO compatible, 21.6". Factory tuned to 157MHz	\$22.00
Cables		
OPC1939	D-Sub 15-pin ACC cable. Connects with a PC, external speaker, external channel control, ignition sense line or vehicle horn	\$102.00
OPC2078	D-Sub 25-pin ACC cable. Connects with a PC, external speaker, external channel control, ignition sense line or vehicle horn	\$100.00
OPC2500	2 m, 6.56 ft extension cable for HM-245	\$39.00
External Speakers		
SP30	20W large external speaker	\$123.00
SP35	5W external speaker with 3.5mm speaker jack and 2m cable	\$64.00
Microphones		
HM148G	Self grounding microphone for mobile radios	\$72.00
HM148T	DMTF mobile microphone	\$112.00
HM152	Microphone for low/mid range mobile radios	\$50.00
HM152T	DTMF modular microphone for LM mobile radios	\$102.00
HM249 12	Hands-free microphone for mobile radios	\$169.00

Accessories

Model	Description	MSRP
SM26	Desktop microphone with monitor switch for mobile radios	\$110.00
Mounting Hardware		
MOUNT 1	NMO Permanent Mount, 17ft RG58 cable, PL259 connector	\$29.00
MOUNT 3	Black Magnetic Mount - 3 1/4" diameter, 12ft RG58 cable w/PL259 connector	\$50.00
Power Supplies		
CONTROL STATION ASSEMBLE	Install mobile into power supply and cabinet to make control station	\$20.00
IAPS14	Power supply cover for control station for the F5130D series. (13.8VDC, 12A)	\$350.00
Software & Cables		
OPC2344	PC to mobile radio programming cloning cable with USB connector.	\$115.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	\$40.00

F5330D – F6330D Series

Black Box IDAS™ Mobile Radio

SPECS

Frequencies:	136-174, 400-512 MHz
Output Power:	50W (VHF); 45W (UHF)
Channels:	128 channels, 8 zones
Channel Spacing:	12.5kHz; 6.25kHz Digital
Mil Spec:	810 C, D, E, F, G
Scan:	Voting & priority
Weight (approx):	2.4 lbs.



FEATURES

General Features:

- 1700mW output from CommandMic™
- Analog, IDAS dual mode
- CTCSS/2-Tone/5-Tone/MDC
- DTMF autodial memory
- Set an IP address for main unit and CommandMic
- Emergency call and Lone worker
- Remote monitor (RX)
- Radio kill, stun, and revive

Digital Features:

- NXDN™ conventional, multi-site conventional, simulcast
- NXDN single-site trunking
- PTT ID and ANI
- Over-the-Air Alias (OAA)
- Short data messaging
- Individual, group, and all call
- Call alert
- Radio check (RX only)
- Digital voice scrambler

COMES WITH

CommandMic w/20.3 ft ethernet cable
Microphone hanger
DC power cable
Mounting bracket kit
Warranty: 2 years

Configurations

Model	Description	MSRP
F5330D 16 USA	50W, 136-174MHz, black box IDAS mobile radio with 128 channels and CommandMic	\$1,095.00
F6330D 16 USA	45W, 400-512MHz, black box IDAS mobile radio with 128 channels and CommandMic	\$1,095.00

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

ANTENNA 1	118-940MHz 1/4 wave antenna, unity gain, field tunable	\$20.00
ANTENNA 2	144-174MHz 3dB gain mountable antenna, CHR, 59" high	\$55.00
ANTENNA 3	450-470MHz 5dB gain mountable antenna, CHR, 40" high	\$62.00
ANTENNA 4	152-162MHz, unity gain antenna, NMO compatible, 21.6". Factory tuned to 157MHz	\$22.00

Cables

OPC1939	D-Sub 15-pin ACC cable. Connects with a PC, external speaker, external channel control, ignition sense line or vehicle horn	\$102.00
OPC2078	D-Sub 25-pin ACC cable. Connects with a PC, external speaker, external channel control, ignition sense line or vehicle horn	\$100.00

External Speakers

SP30	20W large external speaker	\$123.00
SP35	5W external speaker with 3.5mm speaker jack and 2m cable	\$64.00

Mounting Hardware

MOUNT 1	NMO Permanent Mount, 17ft RG58 cable, PL259 connector	\$29.00
MOUNT 3	Black Magnetic Mount - 3 1/4" diameter, 12ft RG58 cable w/PL259 connector	\$50.00

Software & Cables

OPC478UD	USB programming cable (2-pin connectors handhelds)	\$95.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	\$40.00

F5220D - F6220D Series

IDAS Trunking Mobiles

SPECS

Frequencies:	136-174, 400-470
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 16 USA	136-174MHz IDAS mobile	\$709.00
F6220D 16 USA	400-470MHz IDAS mobile	\$709.00

Accessories

Model	Description	MSRP
ENGRAVE	Engrave radio	\$40.00
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	\$20.00
ANTENNA 2	144-174MHz 3dB gain mountable antenna, CHR, 59" high	\$55.00
ANTENNA 3	450-470MHz 5dB gain mountable antenna, CHR, 40" high	\$62.00
ANTENNA 4	152-162MHz, unity gain antenna, NMO compatible, 21.6". Factory tuned to 157MHz	\$22.00

Cables

OPC1132	DC power cable (9.8ft) with 2-pin T connector.	\$48.00
OPC1939	D-Sub 15-pin ACC cable. Connects with a PC, external speaker, external channel control, ignition sense line or vehicle horn	\$102.00
OPC2078	D-Sub 25-pin ACC cable. Connects with a PC, external speaker, external channel control, ignition sense line or vehicle horn	\$100.00
OPC440	Microphone extension cable (RJ-45 M/F) (16.4ft)	\$107.00

External Speakers

SP30	20W large external speaker	\$123.00
SP35	5W external speaker with 3.5mm speaker jack and 2m cable	\$64.00

Microphones

HM148G	Self grounding microphone for mobile radios	\$72.00
HM148T	DTMF mobile microphone	\$112.00
HM152	Microphone for low/mid range mobile radios	\$50.00
HM152T	DTMF modular microphone for LM mobile radios	\$102.00

Accessories

Model	Description	MSRP
SM26	Desktop microphone with monitor switch for mobile radios	\$110.00
Mounting Hardware		
F121 MMB	Mounting bracket F121/F221 F5011 series	\$12.00
MOUNT 1	NMO Permanent Mount, 17ft RG58 cable, PL259 connector	\$29.00
MOUNT 3	Black Magnetic Mount - 3 1/4" diameter, 12ft RG58 cable w/PL259 connector	\$50.00
Power Supplies		
CONTROL STATION ASSEMBLE	Install mobile into power supply and cabinet to make control station	\$20.00
IAPS04	110V power supply and cabinet for control station use for F5011/5021/F5121/F5220	\$380.00
Software & Cables		
CSF3210D	Programming software for F3210D/4210D, F3230D/4230D & F5220D/6220D	\$90.00
OPC2344	PC to mobile radio programming cloning cable with USB connector.	\$115.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	\$40.00

F5400D – F6400D Series

VHF UHF Digital Mobile

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 worker 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 (requires license)
- 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

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 CSOTRAR1 software)

MULTITRUNK

IDAS™
ICOM DIGITAL PROVENANCE SYSTEM



Icom America Inc.

U.S. Land Mobile Retail: Product Catalog

Configurations

Model	Description	MSRP
F5400D 31 USA	136-174MHz IDAS mobile with color display	\$1,029.00
F6400DS 11	380-470MHz IDAS mobile with numeric display	\$987.00
F6400D 56 USA	380-470MHz IDAS mobile with color display, no Bluetooth	\$1,029.00
F6400D 71 USA	450-512MHz IDAS mobile with color display	\$1,029.00

Accessories

Model	Description	MSRP
ENGRAVE	Engrave radio	\$40.00
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	\$59.00
Cables		
IAJB1001	Extension cable junction box for RMK5 or RMK7 that allows installer to connect 2 OPC2367s together for 52ft of cable	\$84.00
IAOPC054	Cable to wire the F5400/F6400 to an external speaker	\$50.00
IAOPC1003	USB to micro-USB 3ft cable	\$13.00
Encryption & Internal Modules		
CSKLD2 12 EXP	Encryption key loader software for F3400/F5400 series	\$650.00
ISL-AKAES	AES activation code for F3400/F5400 series	\$360.00
UT134	AES/DES encryption board; requires ISL code to activate AES	\$197.00
External Speakers		
SP30	20W large external speaker	\$123.00
SP35	5W external speaker with 3.5mm speaker jack and 2m cable	\$64.00
Microphones		
HM220	Heavy duty microphone (IP54) for the F5400 series	\$107.00
HM220T	Heavy duty microphone with DTMF keypad (IP54) for the F5400 series	\$171.00

Accessories

Model	Description	MSRP
SM29	Desktop microphone for F5400 series	\$188.00
Miscellaneous		
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	\$32.00
Power Supplies		
CONTROL STATION ASSEMBLE	Install mobile into power supply and cabinet to make control station	\$20.00
IAPS12	Power supply with cover for control station (120VAC; 20A)	\$380.00
Remote Mounting		
HM218	Secondary remote control microphone, COMMANDMIC, for the F5400D/F6400D. Requires RMK5 + OPC2373 or OPC2374.	\$525.00
OPC2364	1.9m/6.2ft separation cable for RMK5/RMK7	\$64.00
OPC2365	3m/9.8ft separation cable for RMK5/RMK7	\$67.00
OPC2366	5m/16.4ft separation cable for RMK5/RMK7	\$72.00
OPC2367	8m/26.2ft separation cable for RMK5/RMK7	\$87.00
OPC2373	1.9m/6.2ft separation cable for HM218	\$66.00
OPC2374	8m/26.2ft separation cable for HM218	\$102.00
RMK5	Bracket & face plate for remote mounting for the F5400D/F6400D. Separation cable not included.	\$231.00
RMK7	Dual head and separation kit for the F5400D/F6400D. Separation cables & microphone not included.	\$693.00
Software & Cables		
CSF3400D	Programming software for the F3400D/F5400D series	\$90.00
CSOTPM1	Over-the-air programming (OTAP) manager software	\$546.00
OPC2362	Handheld to mobile zone copy cable (14-pin to 10-pin DIM)	\$105.00
OPC2363	10-pin DIM programming cable	\$118.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	\$40.00

Accessories

Model	Description	MSRP
<i>Trunking</i>		
ISL-UGMTR	Type D trunking license for single and multi-site trunking	\$125.00

F9511 - F9521 Series (Discontinued – Limited Stock)

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 encorder & 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	\$2,835.00
F9521S 41	400-470MHz 45W P25 Conventional mobile, no keypad	\$1,775.00

Accessories

Model	Description	MSRP
ENGRAVE	Engrave radio	\$40.00
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	\$20.00
ANTENNA 2	144-174MHz 3dB gain mountable antenna, CHR, 59" high	\$55.00
ANTENNA 3	450-470MHz 5dB gain mountable antenna, CHR, 40" high	\$62.00
ANTENNA 4	152-162MHz, unity gain antenna, NMO compatible, 21.6". Factory tuned to 157MHz	\$22.00
Cables		
OPC1132	DC power cable (9.8ft) with 2-pin T connector.	\$48.00
OPC1962	DC power cord for F9511HT	\$63.00
OPC440	Microphone extension cable (RJ-45 M/F) (16.4ft)	\$107.00
Encryption & Internal Modules		
INSTALL-MF	Install a component or license into an LM mobile or portable	\$40.00
OPC-IAKVL1	Interface Cable with RJ45 Connector between P25 mobiles & KA KVL125	\$158.00
UT125 01	AES/DES encryption board with OTAR compliance for F9011/F9511 series	\$730.00
UT125 FIPS	FIPS 140-2 AES encryption board with OTAR compliance for F9011/F9511 series	\$828.00
UT128	DES encryption for F9011/F9511 radios	\$441.00
External Speakers		
SP30	20W large external speaker	\$123.00
SP35	5W external speaker with 3.5mm speaker jack and 2m cable	\$64.00

Accessories

Model	Description	MSRP
Microphones		
HM148G	Self grounding microphone for mobile radios	\$72.00
HM148T	DMTF mobile microphone	\$112.00
SM26	Desktop microphone with monitor switch for mobile radios	\$110.00
Mounting Hardware		
MOUNT 1	NMO Permanent Mount, 17ft RG58 cable, PL259 connector	\$29.00
MOUNT 3	Black Magnetic Mount - 3 1/4" diameter, 12ft RG58 cable w/PL259 connector	\$50.00
Power Supplies		
CONTROL STATION ASSEMBLE	Install mobile into power supply and cabinet to make control station	\$20.00
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.	\$1,066.00
OPC607	3m/9.8ft separation cable for remote mounting kits	\$61.00
OPC609	1.9m/6.2ft separation cable for remote mounting kits	\$59.00
OPC726	5m/16.4ft separation cable for remote mounting kits	\$69.00
RMK2	F1721/1821 bracket & face plate for remote mounting. Separation cable not included	\$152.00
RMK4 01	Dual head and separation kit for F9511HT. Requires external speaker and cable.	\$903.00
Software & Cables		
CSF9010/F9510	F9011/9511 programming software	\$79.00
CSRMK4	Programming software for the RMK4	\$84.00
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.	\$242.00
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	\$118.00
OPC2344	PC to mobile radio programming cloning cable with USB connector.	\$115.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	\$40.00

Accessories

Model	Description	MSRP
<i>Trunking</i>		
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, 450-512, 769-775, 851-869MHz
Output Power:	50W (VHF); 45W (UHF)
Channels:	1024 w/128 zones
Channel Spacing:	12.5kHz
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 13 USA	136-174MHz P25 conventional mobile with color display	\$1,806.00
F7520 11	380-470MHz P25 conventional mobile with color display	\$1,806.00
F7520 23 USA	450-512MHz P25 conventional mobile with color display	\$1,806.00
F7540	700/800MHz P25 conventional mobile with color display	\$1,806.00

Accessories

Model	Description	MSRP
ENGRAVE	Engrave radio	\$40.00
EXTWARR811	1 year extended warranty	\$65.00
EXTWARR812	2 year extended warranty	\$93.00
EXTWARR813	3 year extended warranty	\$130.00
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
ISL-P25W	Enable 25kHz in the F7010/F7510 radios	\$5.00
Antennas		
UX241	GPS antenna	\$59.00
Cables		
IAOPC1003	USB to micro-USB 3ft cable	\$13.00
OPC1132	DC power cable (9.8ft) with 2-pin T connector.	\$48.00
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.	\$158.00
IAOPC1076	F7500 mobile adapter cable to use with the KVL125 keyloader. Requires the OPC-IAKVL1 cable and a RJ45 female-to-female adapter.	\$210.00
INSTALL-MF	Install a component or license into an LM mobile or portable	\$40.00
ISL-P25AES/ARC4	License enables AES and ARC4 in P25 radios (requires UT134 or UT125 FIPS-2)	\$360.00
UT125 FIPS-2	FIPS 140-2 encryption board; requires ISL-P25AES license key to activate AES	\$872.00
UT134	AES/DES encryption board; requires ISL code to activate AES	\$197.00

Accessories

Model	Description	MSRP
External Speakers		
SP30	20W large external speaker	\$123.00
SP35	5W external speaker with 3.5mm speaker jack and 2m cable	\$64.00
Headsets		
VS3	Compact lapel PTT Bluetooth with earphone w/3.5mm jack	\$184.00
Microphones		
HM220	Heavy duty microphone (IP54) for the F5400 series	\$107.00
HM220T	Heavy duty microphone with DTMF keypad (IP54) for the F5400 series	\$171.00
SM29	Desktop microphone for F5400 series	\$188.00
Power Supplies		
CONTROL STATION ASSEMBLE	Install mobile into power supply and cabinet to make control station	\$20.00
IAPS12	Power supply with cover for control station (120VAC; 20A)	\$380.00
Remote Mounting		
HM218	Secondary remote control microphone, COMMANDMIC, for the F5400D/F6400D. Requires RMK5 + OPC2373 or OPC2374.	\$525.00
OPC2364	1.9m/6.2ft separation cable for RMK5/RMK7	\$64.00
OPC2365	3m/9.8ft separation cable for RMK5/RMK7	\$67.00
OPC2366	5m/16.4ft separation cable for RMK5/RMK7	\$72.00
OPC2367	8m/26.2ft separation cable for RMK5/RMK7	\$87.00
OPC2373	1.9m/6.2ft separation cable for HM218	\$66.00
OPC2374	8m/26.2ft separation cable for HM218	\$102.00
RMK5	Bracket & face plate for remote mounting for the F5400D/F6400D. Separation cable not included.	\$231.00
RMK7	Dual head and separation kit for the F5400D/F6400D. Separation cables & microphone not included.	\$693.00
Software & Cables		
CSOTPM2	P25 over-the-air programming (OTAP) manager software; support only conventional mode	\$840.00
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	\$525.00

Accessories

Model	Description	MSRP
	requires the completion of the "P25 System Key Request Form" by the P25 Trunking System Owner	
IASKF7S	Accessory Advanced System Key (AASK) USB dongle required for programming P25 trunking parameters. Note: shipped unprogrammed; requires P25 trunking system owner to program	\$236.00
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.	\$242.00
OPC2362	Handheld to mobile zone copy cable (14-pin to 10-pin DIM)	\$105.00
OPC2363	10-pin DIM programming cable	\$118.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	\$40.00
Trunking		
ISL-P25P2	P25 Phase 2 trunking license (Phase 1 license required)	\$420.00
ISL-P25TR	P25 Phase 1 trunking license	\$500.00

Data & HF Radio



F5122DD – F6122DD Series (Discontinued – Limited Stock)

VHF and UHF Data

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



Configurations

Model	Description	MSRP
F5122DD 12	136-174MHz, 9.6k/4.8kbps, 25W, RS232 + ethernet	\$840.00

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.	\$48.00
OPC2500	2 m, 6.56 ft extension cable for HM-245	\$39.00

Microphones

HM249 12	Hands-free microphone for mobile radios	\$169.00
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Software & Cables

OPC2218LU	Cloning/data cable with USB connector for ID51A/ID31A/5100A/7100	\$81.00
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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



IP54
DUST PROTECTION
& SPLASH PROOF

Configurations

Model	Description	MSRP
F8101 33	HF 125W transceiver with ALE (automatic link establishment)	\$4,022.00

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	\$767.00
Antennas		
AH740	Relay-driven compact automatic tuning antenna 2.5MHz-29.999MHz	\$2,468.00
Cables		
OPC2308	GPS/External modem connection cable	\$184.00
OPC2309	Antenna tuner control cable for AT140/AH740 for F8101 (10M or 32.8ft)	\$184.00
External Speakers		
SP30	20W large external speaker	\$123.00
SP35	5W external speaker with 3.5mm speaker jack and 2m cable	\$64.00
GPS		
UX248	GPS unit	\$341.00
Microphones		
HM192	Remote control microphone for F8101 (requires separation cable)	\$672.00
HM193	Hand microphone for the F8101	\$89.00
Miscellaneous		
CFUF8100	Cooling fan unit	\$473.00
Mounting Hardware		
MB126	Mounting bracket for F8101	\$315.00

Accessories

Model	Description	MSRP
Remote Mounting		
OPC607	3m/9.8ft separation cable for remote mounting kits	\$61.00
OPC609	1.9m/6.2ft separation cable for remote mounting kits	\$59.00
OPC726	5m/16.4ft separation cable for remote mounting kits	\$69.00
RMK6	Remote mount kit for the F8101. Separation cable sold separately.	\$383.00
Software & Cables		
CSF8101	Programming software. Use a generic USB "A" to "B" cable to program radio.	\$90.00
OPC2204	F8101 Cloning cable	\$210.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	\$40.00

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	\$2,835.00
IAS X-BAND 50 AIR U	Airband AM & UHF FM cross band repeater	\$3,670.00
IAS X-BAND 50 AIR V	Airband AM & VHF FM cross band repeater	\$3,670.00
IAS X-BAND 50 UU	UHF FM & UHF FM cross band repeater	\$2,835.00
IAS X-BAND 50 VV	VHF FM & VHF FM cross band repeater	\$2,835.00

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	\$2,100.00
IASMNT1046	46" (26RU) locking indoor cabinet	\$2,394.00
IASMNT1060	60" (34RU) locking indoor cabinet	\$3,350.00
Microphones		
HM152	Microphone for low/mid range mobile radios	\$50.00
HM152T	DTMF modular microphone for LM mobile radios	\$102.00
HM216	Microphone for A120	\$50.00
HM217	Microphone with built-in speaker and front panel includes up/down buttons and two programmable buttons (P1/P2)	\$110.00
SM26	Desktop microphone with monitor switch for mobile radios	\$110.00
Racks		
IASMNT1028	28x19, 16U desktop 2-post rack; 350lb weight capacity	\$465.00
IASMNT1042	42x19 welded steel 2-post rack; 24U, 1,500lb weight capacity	\$788.00
IASMNT1070	70x19 welded steel 2-post rack; 40U, 1,500lb weight capacity	\$1,500.00
Software & Cables		
CSF3021/F5021/F5011	F3021/5021/5011 series programming software	\$90.00

Accessories

Model	Description	MSRP
PROG-IAS	Icom to program repeaters with provided icf file or add in basic frequencies	\$75.00

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



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™
ICOM DIGITAL ADVANCED SYSTEM

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.	\$2,903.00
CY6302	450-512MHz UHF 50W, IDAS repeater, analog and digital with internal power supply. Optional single-site trunking, multi-site trunking, and simulcast conventional.	\$2,903.00
CY6301	400-470MHz UHF 50W, IDAS repeater, analog and digital with internal power supply. Optional single-site trunking, multi-site trunking, and simulcast conventional.	\$2,903.00

Accessories

Model	Description	MSRP
INSTALL-IAS	Install a component into a repeater or an item into a cabinet	\$75.00
Antennas		
UX241	GPS antenna	\$59.00
Cabinets		
IASMNT1030	30" (17RU) locking indoor cabinet	\$2,100.00
IASMNT1046	46" (26RU) locking indoor cabinet	\$2,394.00
IASMNT1060	60" (34RU) locking indoor cabinet	\$3,350.00
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	\$551.00
IASDUP1003	160-174 6 cavity 50W internal duplexer, 3MHz TX-RX separation	\$551.00
IASDUP1004	136-148 6 cavity 50W internal duplexer, 5MHz TX-RX separation	\$551.00
IASDUP1005	148-160 6 cavity 50W internal duplexer, 5MHz TX-RX separation	\$750.00
IASDUP1006	160-174 6 cavity 50W internal duplexer, 5MHz TX-RX separation	\$551.00
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	\$551.00
IASDUP1009	160-174 6 cavity 50W internal duplexer, 10MHz TX-RX separation	\$551.00
IASDUP1010	144-190MHz 6 cavity 100W duplexer with 3MHz minimum TX-RX separation	\$2,665.00
IASDUP1015	152-175MHz 50W internal duplexer (6-15MHz minimum separation)	\$536.00
IASDUP1036	400-440 6 cavity 50W internal duplexer, 5MHz TX-RX separation	\$551.00
IASDUP1037	440-470 6 cavity 50W internal duplexer, 5MHz TX-RX separation	\$792.00

Accessories

Model	Description	MSRP
IASDUP1038	470-490 6 cavity 50W internal duplexer, 5MHz TX-RX separation	\$551.00
IASDUP1039	490-512 6 cavity 50W internal duplexer, 5MHz TX-RX separation	\$551.00
IASDUP1040	400-440 6 cavity 50W internal duplexer, 10MHz TX-RX separation	\$551.00
IASDUP1041	440-470 6 cavity 50W internal duplexer, 10MHz TX-RX separation	\$551.00
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	CY5300/6300 internal duplexer assembly kit including RF jumpers and screws	\$30.00
IP Linking		
CFFR5000 02	Multi-site (conventional only) IP repeater link card (requires UC-FR5000 or UCFR5300 board)	\$140.00
CFFR5000MT	Multi-site (conventional & trunking) IP repeater link card (requires UC-FR5000 or UCFR5300 board)	\$1,045.00
CFFR5300SC	Simulcast IP repeater link card (requires UC-FR5300)	\$1,628.00
Microphones		
HM152	Microphone for low/mid range mobile radios	\$50.00
HM152T	DTMF modular microphone for LM mobile radios	\$102.00
SM26	Desktop microphone with monitor switch for mobile radios	\$110.00
Power Amplifiers		
IASPA500	136-174MHz 100W out, 2-5W in, 4RU power amplifier; 19" rack mountable	\$2,515.00
IASPA540	403-512MHz 100W out, 2-5W in, 4RU power amplifier 19" rack-mountable	\$2,915.00
IASPA550	450-512MHz 100W out, 2-5W in, 4RU power amplifier 19" rack-mountable	\$2,915.00
Power Equipment & Rack Mounting		
IASDP1001	DC distribution panel 12/24VDC with remote power control and SNMP. It can manage up to 12 loads.	\$1,950.00
IASMNT1102	19" 2RU rack mount tray for 20A power supply; holds up to 2 units (power supplies not screwed into tray)	\$184.00
IASMNT1105	Battery charger rackmount kit holds 1 to 2 chargers	\$173.00
IASPS1022	12v/30A power supply/battery charger - 1RU rack mountable with IASMNT1105	\$872.00
IASPS1220	20A power supply 13.8VDC; requires tray for use in rack (IASMNT1102)	\$210.00

Accessories

Model	Description	MSRP
Pre-Selectors		
IASPR1001	136-150MHz 4 cavity pre-selector (assembly kit required with FR5000)	\$735.00
IASPR1002	150-174MHz 4 cavity pre-selector (assembly kit required with FR5000)	\$735.00
IASPR1010	400-440MHz 4 cavity pre-selector (assembly kit required with FR6000)	\$735.00
IASPR1011	440-520MHz 4 cavity pre-selector (assembly kit required with FR6000)	\$735.00
IASPR50FR	FR5000/6000 internal pre-selector assembly kit including RF jumpers, mounting bracket and screws	\$152.00
Racks		
IASMNT1028	28x19, 16U desktop 2-post rack; 350lb weight capacity	\$465.00
IASMNT1042	42x19 welded steel 2-post rack; 24U, 1,500lb weight capacity	\$788.00
IASMNT1070	70x19 welded steel 2-post rack; 40U, 1,500lb weight capacity	\$1,500.00
Remote Communication		
CT23 01	PTT microphone adapter to use SM-26 or HM-152 with a PC. Requires BC-147S.	\$128.00
CT24	Digital voice converter (supplied with RCFS10 and works with VEPG3)	\$1,260.00
RCFS10	Remote Communicator software + CT-24 (digital voice converter unit - each IDAS system requires 1 CT-24)	\$1,911.00
Repeaters		
URFR5300 61 USA	136-174MHz analog/digital IDAS repeater channel module	\$1,486.00
URFR6300 75 USA	450-512MHz Repeater module	\$1,486.00
URFR6300 81 USA	400-470MHz Repeater module	\$1,486.00
Software & Cables		
IASTUN1001	Icom to tune your system products	\$75.00
PROG-IAS	Icom to program repeaters with provided icf file or add in basic frequencies	\$75.00
RSMGR1	Remote system manager software for IDAS MultiTrunk	\$5,245.00
Trunking/Network Controller		
UCFR5300	Trunking/Network controller board (1 per repeater)	\$578.00

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 21 USA	136-174 MHz analog/digital, 50W, IDAS Simulcast repeater	\$2,273.00
FR6300 35 USA	450-512MHz analog/digital, 50W, IDAS repeater	\$2,273.00
FR6300 41 USA	400-470MHz analog/digital, 50W, IDAS repeater	\$2,273.00

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	\$75.00

Antenna Switches

IASANTSW1	Single antenna switch for base station operation	\$609.00
IASANTSW2	Dual antenna switch for base station operation	\$1,070.00

Antennas

UX241	GPS antenna	\$59.00
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Cabinets

IASMNT1030	30" (17RU) locking indoor cabinet	\$2,100.00
IASMNT1046	46" (26RU) locking indoor cabinet	\$2,394.00
IASMNT1060	60" (34RU) locking indoor cabinet	\$3,350.00

Cables

OPC2390	Cable connecting VEPG4 to FR5000/6000	\$214.00
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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	\$551.00
IASDUP1003	160-174 6 cavity 50W internal duplexer, 3MHz TX-RX separation	\$551.00
IASDUP1004	136-148 6 cavity 50W internal duplexer, 5MHz TX-RX separation	\$551.00
IASDUP1005	148-160 6 cavity 50W internal duplexer, 5MHz TX-RX separation	\$750.00
IASDUP1006	160-174 6 cavity 50W internal duplexer, 5MHz TX-RX separation	\$551.00

Accessories

Model	Description	MSRP
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	\$551.00
IASDUP1009	160-174 6 cavity 50W internal duplexer, 10MHz TX-RX separation	\$551.00
IASDUP1010	144-190MHz 6 cavity 100W duplexer with 3MHz minimum TX-RX separation	\$2,665.00
IASDUP1015	152-175MHz 50W internal duplexer (6-15MHz minimum separation)	\$536.00
IASDUP1036	400-440 6 cavity 50W internal duplexer, 5MHz TX-RX separation	\$551.00
IASDUP1037	440-470 6 cavity 50W internal duplexer, 5MHz TX-RX separation	\$792.00
IASDUP1038	470-490 6 cavity 50W internal duplexer, 5MHz TX-RX separation	\$551.00
IASDUP1039	490-512 6 cavity 50W internal duplexer, 5MHz TX-RX separation	\$551.00
IASDUP1040	400-440 6 cavity 50W internal duplexer, 10MHz TX-RX separation	\$551.00
IASDUP1041	440-470 6 cavity 50W internal duplexer, 10MHz TX-RX separation	\$551.00
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	\$1,695.00
IASDUP50FR	FR5300/6300 internal duplexer assembly kit including RF jumpers, mounting bracket and screws	\$105.00
External Speakers		
SP35	5W external speaker with 3.5mm speaker jack and 2m cable	\$64.00
IP Linking		
CFFR5000 02	Multi-site (conventional only) IP repeater link card (requires UC-FR5000 or UCFR5300 board)	\$140.00
CFFR5000MT	Multi-site (conventional & trunking) IP repeater link card (requires UC-FR5000 or UCFR5300 board)	\$1,045.00
CFFR5300SC	Simulcast IP repeater link card (requires UC-FR5300)	\$1,628.00
Microphones		
HM152	Microphone for low/mid range mobile radios	\$50.00
SM26	Desktop microphone with monitor switch for mobile radios	\$110.00
Power Amplifiers		
IASPA500	136-174MHz 100W out, 2-5W in, 4RU power amplifier; 19" rack mountable	\$2,515.00
IASPA540	403-512MHz 100W out, 2-5W in, 4RU power amplifier 19" rack-mountable	\$2,915.00

Accessories

Model	Description	MSRP
IASPA550	450-512MHz 100W out, 2-5W in, 4RU power amplifier 19" rack-mountable	\$2,915.00
Power Equipment & Rack Mounting		
IASDP1001	DC distribution panel 12/24VDC with remote power control and SNMP. It can manage up to 12 loads.	\$1,950.00
IASMNT1102	19" 2RU rack mount tray for 20A power supply; holds up to 2 units (power supplies not screwed into tray)	\$184.00
IASMNT1105	Battery charger rackmount kit holds 1 to 2 chargers	\$173.00
IASPS1022	12v/30A power supply/battery charger - 1RU rack mountable with IASMNT1105	\$872.00
IASPS1220	20A power supply 13.8VDC; requires tray for use in rack (IASMNT1102)	\$210.00
Pre-Selectors		
IASPR1001	136-150MHz 4 cavity pre-selector (assembly kit required with FR5000)	\$735.00
IASPR1002	150-174MHz 4 cavity pre-selector (assembly kit required with FR5000)	\$735.00
IASPR1010	400-440MHz 4 cavity pre-selector (assembly kit required with FR6000)	\$735.00
IASPR1011	440-520MHz 4 cavity pre-selector (assembly kit required with FR6000)	\$735.00
IASPR50FR	FR5000/6000 internal pre-selector assembly kit including RF jumpers, mounting bracket and screws	\$152.00
Racks		
IASMNT1028	28x19, 16U desktop 2-post rack; 350lb weight capacity	\$465.00
IASMNT1042	42x19 welded steel 2-post rack; 24U, 1,500lb weight capacity	\$788.00
IASMNT1070	70x19 welded steel 2-post rack; 40U, 1,500lb weight capacity	\$1,500.00
Remote Communication		
CT23 01	PTT microphone adapter to use SM-26 or HM-152 with a PC. Requires BC-147S.	\$128.00
CT24	Digital voice converter (supplied with RCFS10 and works with VEPG3)	\$1,260.00
RCFS10	Remote Communicator software + CT-24 (digital voice converter unit - each IDAS system requires 1 CT-24)	\$1,911.00
Repeaters		
URFR5300 61 USA	136-174MHz analog/digital IDAS repeater channel module	\$1,486.00
URFR6300 75 USA	450-512MHz Repeater module	\$1,486.00
URFR6300 81 USA	400-470MHz Repeater module	\$1,486.00

Accessories

Model	Description	MSRP
Software & Cables		
IASTUN1001	Icom to tune your system products	\$75.00
OPC2344	PC to mobile radio programming cloning cable with USB connector.	\$115.00
PROG-IAS	Icom to program repeaters with provided icf file or add in basic frequencies	\$75.00
RSMGR1	Remote system manager software for IDAS MultiTrunk	\$5,245.00
Trunking/Network Controller		
IAS CROSSBAND CONTROLLER	Analog gateway that provides an easy migration path from analog to digital technology	\$526.00
UCFR5300	Trunking/Network controller board (1 per repeater)	\$578.00

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



Icom America Inc.

U.S. Land Mobile Retail: Product Catalog

Configurations

Model	Description	MSRP
FR9010 11	146-174MHz 110W P25 repeater	\$9,135.00
FR9020 11	440-475MHz 100W P25 repeater	\$9,135.00

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	\$992.00
IAS ANTRLY-S	1RU single antenna switch for FR9010/9020	\$525.00
Cabinets		
IASMNT1030	30" (17RU) locking indoor cabinet	\$2,100.00
IASMNT1046	46" (26RU) locking indoor cabinet	\$2,394.00
IASMNT1060	60" (34RU) locking indoor cabinet	\$3,350.00
Duplexers		
IASDUP1010	144-190MHz 6 cavity 100W duplexer with 3MHz minimum TX-RX separation	\$2,665.00
IASDUP1035	400-512 4 cavity 100W duplexer, 3MHz TX-RX separation	\$1,990.00
Microphones		
HM-9000	Speaker microphone for the FR9010/9020 repeaters	\$84.00
Miscellaneous		
8930091121	Repeater support bracket (FR9010 & FR5200H)	\$0.00
Power Amplifiers		
IASE2PA511	470-490MHz 100W 2RU additional power amplifier (fits next to IASE2PA507 in chassis)	\$3,570.00
IASPA500	136-174MHz 100W out, 2-5W in, 4RU power amplifier; 19" rack mountable	\$2,515.00

Accessories

Model	Description	MSRP
Power Equipment & Rack Mounting		
IASDP1001	DC distribution panel 12/24VDC with remote power control and SNMP. It can manage up to 12 loads.	\$1,950.00
IASMNT1102	19" 2RU rack mount tray for 20A power supply; holds up to 2 units (power supplies not screwed into tray)	\$184.00
IASMNT1105	Battery charger rackmount kit holds 1 to 2 chargers	\$173.00
IASPS1022	12v/30A power supply/battery charger - 1RU rack mountable with IASMNT1105	\$872.00
IASPS1220	20A power supply 13.8VDC; requires tray for use in rack (IASMNT1102)	\$210.00
Racks		
IASMNT1028	28x19, 16U desktop 2-post rack; 350lb weight capacity	\$465.00
IASMNT1042	42x19 welded steel 2-post rack; 24U, 1,500lb weight capacity	\$788.00
IASMNT1070	70x19 welded steel 2-post rack; 40U, 1,500lb weight capacity	\$1,500.00
Software & Cables		
CSFR9010	Programming software for the FR9010/9020	\$90.00
OPC-9000	Programming cable for the FR9010/9020 repeaters	\$284.00
PROG-IAS	Icom to program repeaters with provided icf file or add in basic frequencies	\$75.00

Discontinued Radios



F9011 – F9021 Series

P25 Digital & Analog Portables are no longer available from Icom. Icom does still sell the below compatible accessories.

Accessories

Model	Description	MSRP
ENGRAVE	Engrave radio	\$40.00
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	\$19.00
FAS65V	148-160 MHz flexible antenna - standard on F9011	\$19.00
FAS67VC	136-174MHz cut antenna - F3400/F7010/F9011	\$32.00
FAS81V	136-150MHz antenna for F3400/F7010/F9011	\$23.00
GAL 06026	VHF Wideband 136-174MHz Helical Antenna.	\$105.00
Batteries		
BP254	Li-ion 7.2V 3040mAh (typical capacity), 2900mAh (minimum value) for P25 portables	\$163.00
Belt Clips		
MB115	Standard belt clip for F9011 series	\$11.00
Cables		
OPC515L	DC power cable for single unit rapid chargers	\$28.00
Chargers		
BC119NS 11	Rapid charger with AD110 installed for F70/80/9011/9021 radios; 100-240V with US style plug	\$100.00
BC121NS	6-Unit Charger Kit BC121N + AD110 x 6. Requires BC157S AC adapter.	\$494.00
BC157S	AC adapter for gang chargers; 100-240V with US style plug	\$168.00
BC157SE	AC adapter for gang chargers; 100-240V with Euro style plug	\$168.00
CP23L	12V cigarette lighter cable for use with rapid chargers	\$40.00

Accessories

Model	Description	MSRP
Encryption & Internal Modules		
INSTALL-MF	Install a component or license into an LM mobile or portable	\$40.00
OPC-IAKVL14	Interface Cable with 14 Pin Connector between P25 portable & KA KVL125	\$242.00
UT125 01	AES/DES encryption board with OTAR compliance for F9011/F9511 series	\$730.00
UT125 FIPS	FIPS 140-2 AES encryption board with OTAR compliance for F9011/F9511 series	\$828.00
UT128	DES encryption for F9011/F9511 radios	\$441.00
Headsets		
HS94	Earpiece headset; use with VS/OPC2004/OPC2006/OPC1392	\$27.00
HS95	Headset with boom mic; use with VS/OPC2004/OPC2006/OPC1392	\$230.00
HS97	Earphone with throat mic headset; use with VS/OPC2004/OPC2006/OPC1392	\$45.00
Microphones		
HM184H	14-pin loud waterproof speaker mic (no accessory jack)	\$126.00
HM-HD7I6WP	Large waterproof, high gain speaker microphone with 3.5mm accessory jack (14-pin connector)	\$130.00
IMPACT HD3-I6	Lightweight heavy duty use speaker mic with 3.5mm accessory jack (14-pin connector)	\$117.00
SP-AT1	Single pin listen only w/QD acoustic tube (9", 3.5mm L-shape)	\$34.00
Miscellaneous		
AD118	14-pin ACC adapter to use with Hirose plug accessories	\$86.00
Software & Cables		
CSF9010/F9510	F9011/9511 programming software	\$79.00
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.	\$242.00
OPC1870	Radio to radio cloning cable between two 14-pin connector portable radios	\$131.00
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	\$118.00
OPC2338	14-pin programming cable plus transparent data transfer	\$251.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	\$40.00

Accessories

Model	Description	MSRP
<i>Trunking</i>		
ISL-3	P25 trunking upgrade for the F9011/9511 series radios	\$500.00

F3201DEX – F4201DEX Series

IECEX/ATEX Intrinsically Safe IDAS VHF/UHF Portables are no longer available from Icom. Icom does still sell the below compatible accessories.

Accessories

Model	Description	MSRP
Antennas		
FASC25V	136-150MHz antenna J type connector	\$14.00
FASC26VS	136-144MHz stubby antenna J type connector	\$16.00
FASC27VS	142-150MHz stubby antenna J type connector	\$16.00
FASC28V	142-162MHz antenna J type connector	\$14.00
FASC29V	160-174MHz antenna J type connector	\$14.00
FASC55V	146-174MHz standard antenna J type connector	\$14.00
Batteries		
BP277EX	Li-ion 7.4V 1900mAh (typ. capacity), 1800mAh (min. value) blue battery	\$420.00
Belt Clips		
MB94EX	Blue alligator belt clip for F3201DEX/4201DEX	\$18.00
Chargers		
BC212EX	Rapid charger (includes BC213SA) for F3201DEX/4201DEX	\$137.00
Microphones		
HM203EX	Blue speaker microphone for F3201DEX/4201DEX	\$221.00
Software & Cables		
CSF3101D/F5121D	F3101D/F5121D series programming software	\$79.00
OPC2338	14-pin programming cable plus transparent data transfer	\$251.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	\$40.00

F5061D - F6061D Series

F5061D – F6061D are no longer available from Icom. Icom does still sell the below compatible accessories.

Accessories

Model	Description	MSRP
ENGRAVE	Engrave radio	\$40.00
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	\$20.00
ANTENNA 2	144-174MHz 3dB gain mountable antenna, CHR, 59" high	\$55.00
ANTENNA 3	450-470MHz 5dB gain mountable antenna, CHR, 40" high	\$62.00
ANTENNA 4	152-162MHz, unity gain antenna, NMO compatible, 21.6". Factory tuned to 157MHz	\$22.00
Cables		
F5061 IGN SENSE CABLE	96" cable with 3A fuse	\$16.00
OPC1132	DC power cable (9.8ft) with 2-pin T connector.	\$48.00
OPC2500	2 m, 6.56 ft extension cable for HM-245	\$39.00
OPC440	Microphone extension cable (RJ-45 M/F) (16.4ft)	\$107.00
Encryption & Internal Modules		
INSTALL-MF	Install a component or license into an LM mobile or portable	\$40.00
UT126H 03	6.25kHz digital module for old PLL versions of the F3161/4161 or F5061/6061 radios	\$263.00
External Speakers		
SP30	20W large external speaker	\$123.00
SP35	5W external speaker with 3.5mm speaker jack and 2m cable	\$64.00
Microphones		
HM148G	Self grounding microphone for mobile radios	\$72.00

Accessories

Model	Description	MSRP
HM148T	DMTF mobile microphone	\$112.00
HM152	Microphone for low/mid range mobile radios	\$50.00
HM152T	DMTF modular microphone for LM mobile radios	\$102.00
HM249 12	Hands-free microphone for mobile radios	\$169.00
SM26	Desktop microphone with monitor switch for mobile radios	\$110.00
Mounting Hardware		
F5061 MMB	Mounting bracket included with the F5061/F6061	\$11.00
MOUNT 1	NMO Permanent Mount, 17ft RG58 cable, PL259 connector	\$29.00
MOUNT 3	Black Magnetic Mount - 3 1/4" diameter, 12ft RG58 cable w/PL259 connector	\$50.00
Power Supplies		
CONTROL STATION ASSEMBLE	Install mobile into power supply and cabinet to make control station	\$20.00
IAPS09	110V power supply and cabinet for control station use for F5061/6061	\$300.00
Remote Mounting		
OPC607	3m/9.8ft separation cable for remote mounting kits	\$61.00
OPC609	1.9m/6.2ft separation cable for remote mounting kits	\$59.00
OPC726	5m/16.4ft separation cable for remote mounting kits	\$69.00
RMK3 01	F5061/6061 bracket & face plate for remote mounting. Separation cable not included	\$118.00
Software & Cables		
CSF3161/F5061	Software to program the F3161/4161 & F5061/6061 radios	\$90.00
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	\$118.00
OPC2344	PC to mobile radio programming cloning cable with USB connector.	\$115.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	\$40.00

F14/F24 - F33G/F43G - F43TR – F3021/F4021 Accessories

The F14/F24 - F33G/43G, F43TR & F3021 / F4021 portables are discontinued and no longer available from Icom. Icom does still sell the below compatible accessories.

Accessories

Model	Description	MSRP
Antennas		
FASC25U	400-430MHz antenna J type connector	\$14.00
FASC25V	136-150MHz antenna J type connector	\$14.00
FASC55V	146-174MHz standard antenna J type connector	\$14.00
FASC56VS	150-160MHz stubby antenna J type connector	\$16.00
FASC57U	430-470MHz standard antenna (red ring) J type connector	\$14.00
FASC57VS	160-174MHz stubby antenna J type connector	\$16.00
FASC61UC	380-520MHz cut antenna J type connector	\$20.00
FASC61VC	136-174MHz cut antenna for the specific frequency desired	\$20.00
FASC62V	150-160MHz high gain antenna J type connector	\$59.00
FASC63V	155-165MHz high gain antenna J type connector	\$60.00
FASC72U	470-512MHz antenna J type connector	\$14.00
FASC73US	450-470MHz stubby antenna for J type connector	\$16.00
LARSEN SPHL10160IC	151-163MHz helical ¼ wave antenna center tuned to 157MHz	\$45.00
Batteries		
BP232H	Li-ion 7.4V 2300mAh (typical capacity), 2250mAh (minimum value)	\$81.00
Belt Clips		
AW SWIVEL	Swivel clip used with the AW Stud/Swivel Kit.	\$14.00
MB93	Swivel belt clip	\$12.00
MB94	Alligator belt clip	\$11.00
MB94R	Alligator belt clip with long clip that angles the antenna/top of radio off the body	\$19.00
MB96N	Swivel belt hanger to use with belt clip	\$40.00
Cables		
OPC515L	DC power cable for single unit rapid chargers	\$28.00

Accessories

Model	Description	MSRP
Chargers		
AD106	Adapter cup for the BC119N/BC121N for the radios with the BP232N/H battery	\$29.00
AD122	Adapter cup that fits into the BC197 22/23 for the BP232N/H batteries	\$24.00
BC147SA	AC adapter for trickle chargers; 100-240V with a US style plug	\$23.00
BC147SE 15	AC adapter for trickle chargers; 230V with a Euro style plug	\$17.00
BC157S	AC adapter for gang chargers; 100-240V with US style plug	\$168.00
BC157SE	AC adapter for gang chargers; 100-240V with Euro style plug	\$168.00
BC160	Rapid charger for radios with the BP230/231/232 battery; 100-240V with a US style plug	\$74.00
BC160E	Rapid charger for radios with the BP230/231/232 battery; 100-240V with a Euro style plug	\$74.00
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	\$541.00
CP23L	12V cigarette lighter cable for use with rapid chargers	\$40.00
MB130	Vehicle charger bracket holds rapid charger; requires cigarette lighter cable	\$88.00
Encryption & Internal Modules		
UT124 01	Man down unit	\$95.00
Headsets		
HS94	Earpiece headset; use with VS/OPC2004/OPC2006/OPC1392	\$27.00
HS95	Headset with boom mic; use with VS/OPC2004/OPC2006/OPC1392	\$230.00
HS97	Earphone with throat mic headset; use with VS/OPC2004/OPC2006/OPC1392	\$45.00
VS1L	VOX/PTT case with 2-pin right angle connector. Must use with HS94/HS95/HS97	\$46.00
Microphones		
HM158LA	Compact speaker microphone with revolving clip and earphone jack (right angle 2-pin screw down connector, stereo mic/mono speaker)	\$50.00
HM159LA	Large speaker microphone with earphone jack and metal alligator clip (right angle 2-pin screw down connector, stereo mic/mono speaker)	\$84.00
HM-HD7I7WP	Large waterproof speaker microphone with 3.5mm accessory jack (right angle 2-pin screw down connector)	\$117.00
IMPACT HD3-I3	Heavy duty speaker mic w/3.5mm accessory jack (2-pin screw down connector)	\$70.00
SP-AT1	Single pin listen only w/QD acoustic tube (9", 3.5mm L-shape)	\$34.00

Accessories

Model	Description	MSRP
Software & Cables		
CSF14	F14/F24 Program Sftwre w/ MDC	\$90.00
CSF3021/F5021/F5011	F3021/5021/5011 series programming software	\$90.00
OPC478UD	USB programming cable (2-pin connectors handhelds)	\$95.00
Wire Kits		
HM166LA	Earphone microphone with 2-pin right angle connector	\$62.00

F1721 - F2721/F2821 Series

High End Analog, P25 Conventional Mobiles are discontinued and no longer available from Icom. Compatible accessories outlined below my still be available.

Accessories

Model	Description	MSRP
EX2785J01	P25 activation software for F70/80 & F1721/2721 radios	\$680.00
Antennas		
ANTENNA 1	118-940MHz 1/4 wave antenna, unity gain, field tunable	\$20.00
ANTENNA 2	144-174MHz 3dB gain mountable antenna, CHR, 59" high	\$55.00
ANTENNA 3	450-470MHz 5dB gain mountable antenna, CHR, 40" high	\$62.00
ANTENNA 4	152-162MHz, unity gain antenna, NMO compatible, 21.6". Factory tuned to 157MHz	\$22.00
Cables		
OPC1132	DC power cable (9.8ft) with 2-pin T connector.	\$48.00
OPC440	Microphone extension cable (RJ-45 M/F) (16.4ft)	\$107.00
OPC617	Accesory cable for external terminal connection	\$68.00
Encryption & Internal Modules		
OPC-IAKVL1	Interface Cable with RJ45 Connector between P25 mobiles & KA KVL125	\$158.00
UT120 02	P25 Hardware Upgrade Board - Mobiles	\$568.00
External Speakers		
SP30	20W large external speaker	\$123.00
SP35	5W external speaker with 3.5mm speaker jack and 2m cable	\$64.00
Microphones		
HM148G	Self grounding microphone for mobile radios	\$72.00
HM148T	DMTF mobile microphone	\$112.00
HM152	Microphone for low/mid range mobile radios	\$50.00
HM152T	DTMF modular microphone for LM mobile radios	\$102.00
SM26	Desktop microphone with monitor switch for mobile radios	\$110.00
Mounting Hardware		
F1721 MMB	Mounting bracket for F1721/F1821, F2721/2821, F9011S/T	\$11.00

Accessories

Model	Description	MSRP
MOUNT 1	NMO Permanent Mount, 17ft RG58 cable, PL259 connector	\$29.00
MOUNT 3	Black Magnetic Mount - 3 1/4" diameter, 12ft RG58 cable w/PL259 connector	\$50.00
Remote Mounting		
OPC607	3m/9.8ft separation cable for remote mounting kits	\$61.00
OPC609	1.9m/6.2ft separation cable for remote mounting kits	\$59.00
OPC726	5m/16.4ft separation cable for remote mounting kits	\$69.00
RMK2	F1721/1821 bracket & face plate for remote mounting. Separation cable not included	\$152.00
Software & Cables		
CSF70/F1700	Cloning Software F70/F80/F1721/F1821/F2721/F282	\$90.00
OPC1532	Radio to radio cloning cable between P25 mobile radios	\$44.00
OPC1533	Radio to radio cloning cable between F1721/2721/D series mobiles & F70/80/D portable radios	\$92.00
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.	\$242.00

F3031S – F4031S Series

Analog Submersible Portables are discontinued and no longer available from Icom. Compatible accessories outlined below may still be available.

Accessories

Model	Description	MSRP
Antennas		
FASC25U	400-430MHz antenna J type connector	\$14.00
FASC25V	136-150MHz antenna J type connector	\$14.00
FASC26US	400-450MHz stubby antenna J type connector	\$16.00
FASC55V	146-174MHz standard antenna J type connector	\$14.00
FASC56VS	150-160MHz stubby antenna J type connector	\$16.00
FASC57U	430-470MHz standard antenna (red ring) J type connector	\$14.00
FASC57VS	160-174MHz stubby antenna J type connector	\$16.00
FASC61UC	380-520MHz cut antenna J type connector	\$20.00
FASC61VC	136-174MHz cut antenna for the specific frequency desired	\$20.00
FASC62V	150-160MHz high gain antenna J type connector	\$59.00
FASC63V	155-165MHz high gain antenna J type connector	\$60.00
FASC72U	470-512MHz antenna J type connector	\$14.00
FASC73US	450-470MHz stubby antenna for J type connector	\$16.00
Batteries		
BP232WP	Li-ion 7.4V 2300mAh (typical capacity), 2250mAh (minimum value) IP67 waterproof battery	\$90.00
Belt Clips		
AW SWIVEL	Swivel clip used with the AW Stud/Swivel Kit.	\$14.00
MB93	Swivel belt clip	\$12.00
MB94	Alligator belt clip	\$11.00
MB94R	Alligator belt clip with long clip that angles the antenna/top of radio off the body	\$19.00
MB96N	Swivel belt hanger to use with belt clip	\$40.00
Cables		
OPC515L	DC power cable for single unit rapid chargers	\$28.00

Accessories

Model	Description	MSRP
Chargers		
AD106	Adapter cup for the BC119N/BC121N for the radios with the BP232N/H battery	\$29.00
AD122	Adapter cup that fits into the BC197 22/23 for the BP232N/H batteries	\$24.00
BC147SA	AC adapter for trickle chargers; 100-240V with a US style plug	\$23.00
BC147SE 15	AC adapter for trickle chargers; 230V with a Euro style plug	\$17.00
BC157S	AC adapter for gang chargers; 100-240V with US style plug	\$168.00
BC157SE	AC adapter for gang chargers; 100-240V with Euro style plug	\$168.00
BC160	Rapid charger for radios with the BP230/231/232 battery; 100-240V with a US style plug	\$74.00
BC160E	Rapid charger for radios with the BP230/231/232 battery; 100-240V with a Euro style plug	\$74.00
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	\$541.00
CP23L	12V cigarette lighter cable for use with rapid chargers	\$40.00
MB130	Vehicle charger bracket holds rapid charger; requires cigarette lighter cable	\$88.00
Microphones		
HM158LA	Compact speaker microphone with revolving clip and earphone jack (right angle 2-pin screw down connector, stereo mic/mono speaker)	\$50.00
HM159LA	Large speaker microphone with earphone jack and metal alligator clip (right angle 2-pin screw down connector, stereo mic/mono speaker)	\$84.00
HM-HD717WP	Large waterproof speaker microphone with 3.5mm accessory jack (right angle 2-pin screw down connector)	\$117.00
SP-AT1	Single pin listen only w/QD acoustic tube (9", 3.5mm L-shape)	\$34.00
Software & Cables		
CSF3021/F5021/F5011	F3021/5021/5011 series programming software	\$90.00
OPC478UD	USB programming cable (2-pin connectors handhelds)	\$95.00
Wire Kits		
HM166LA	Earphone microphone with 2-pin right angle connector	\$62.00

F3161 – F4161 / F3161D – F4161D Series

Analog, LTR®, Digital Portables are discontinued and no longer available from Icom. Compatible accessories outlined below may still be available.

Accessories

Model	Description	MSRP
Antennas		
FASC25U	400-430MHz antenna J type connector	\$14.00
FASC25V	136-150MHz antenna J type connector	\$14.00
FASC26US	400-450MHz stubby antenna J type connector	\$16.00
FASC26VS	136-144MHz stubby antenna J type connector	\$16.00
FASC27VS	142-150MHz stubby antenna J type connector	\$16.00
FASC28V	142-162MHz antenna J type connector	\$14.00
FASC29V	160-174MHz antenna J type connector	\$14.00
FASC55V	146-174MHz standard antenna J type connector	\$14.00
FASC56VS	150-160MHz stubby antenna J type connector	\$16.00
FASC57U	430-470MHz standard antenna (red ring) J type connector	\$14.00
FASC57VS	160-174MHz stubby antenna J type connector	\$16.00
FASC61UC	380-520MHz cut antenna J type connector	\$20.00
FASC61VC	136-174MHz cut antenna for the specific frequency desired	\$20.00
FASC62V	150-160MHz high gain antenna J type connector	\$59.00
FASC63V	155-165MHz high gain antenna J type connector	\$60.00
FASC72U	470-512MHz antenna J type connector	\$14.00
FASC73US	450-470MHz stubby antenna for J type connector	\$16.00
LARSEN SPHL10160IC	151-163MHz helical ¼ wave antenna center tuned to 157MHz	\$45.00
Batteries		
BP232H	Li-ion 7.4V 2300mAh (typical capacity), 2250mAh (minimum value)	\$81.00
Belt Clips		
AW SWIVEL	Swivel clip used with the AW Stud/Swivel Kit.	\$14.00
MB93	Swivel belt clip	\$12.00
MB94	Alligator belt clip	\$11.00

Accessories

Model	Description	MSRP
MB94R	Alligator belt clip with long clip that angles the antenna/top of radio off the body	\$19.00
MB96N	Swivel belt hanger to use with belt clip	\$40.00
Cables		
OPC515L	DC power cable for single unit rapid chargers	\$28.00
Chargers		
AD106	Adapter cup for the BC119N/BC121N for the radios with the BP232N/H battery	\$29.00
AD122	Adapter cup that fits into the BC197 22/23 for the BP232N/H batteries	\$24.00
BC147SA	AC adapter for trickle chargers; 100-240V with a US style plug	\$23.00
BC147SE 15	AC adapter for trickle chargers; 230V with a Euro style plug	\$17.00
BC157S	AC adapter for gang chargers; 100-240V with US style plug	\$168.00
BC157SE	AC adapter for gang chargers; 100-240V with Euro style plug	\$168.00
BC160	Rapid charger for radios with the BP230/231/232 battery; 100-240V with a US style plug	\$74.00
BC160E	Rapid charger for radios with the BP230/231/232 battery; 100-240V with a Euro style plug	\$74.00
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	\$541.00
CP23L	12V cigarette lighter cable for use with rapid chargers	\$40.00
MB130	Vehicle charger bracket holds rapid charger; requires cigarette lighter cable	\$88.00
SS BC61	Mobile rapid charger with cigarette adapter for the F3161 & F3261 series	\$226.00
Encryption & Internal Modules		
UT126H 03	6.25kHz digital module for old PLL versions of the F3161/4161 or F5061/6061 radios	\$263.00
Headsets		
HS94	Earpiece headset; use with VS/OPC2004/OPC2006/OPC1392	\$27.00
HS95	Headset with boom mic; use with VS/OPC2004/OPC2006/OPC1392	\$230.00
HS97	Earphone with throat mic headset; use with VS/OPC2004/OPC2006/OPC1392	\$45.00
Microphones		
HM169	Waterproof speaker mic (9-pin)	\$121.00
HM169 IS	Intrinsically safe waterproof speaker mic (9-pin)	\$155.00
IMPACT HD3-I5	Heavy duty use speaker mic with 3.5mm accessory jack (9-pin)	\$80.00

Accessories

Model	Description	MSRP
SP-AT1	Single pin listen only w/QD acoustic tube (9", 3.5mm L-shape)	\$34.00
Software & Cables		
CSF3161/F5061	Software to program the F3161/4161 & F5061/6061 radios	\$90.00
OPC966U	USB programming cloning cable for radios with 9-pin connector	\$181.00

F3210D – F4210D Series

Entry Level IDAS™ Trunking Portables are discontinued and no longer available from Icom. Icom does still sell the below compatible accessories.

Accessories

Model	Description	MSRP
Antennas		
FASC25U	400-430MHz antenna J type connector	\$14.00
FASC25V	136-150MHz antenna J type connector	\$14.00
FASC26US	400-450MHz stubby antenna J type connector	\$16.00
FASC26VS	136-144MHz stubby antenna J type connector	\$16.00
FASC27VS	142-150MHz stubby antenna J type connector	\$16.00
FASC28V	142-162MHz antenna J type connector	\$14.00
FASC29V	160-174MHz antenna J type connector	\$14.00
FASC55V	146-174MHz standard antenna J type connector	\$14.00
FASC56VS	150-160MHz stubby antenna J type connector	\$16.00
FASC57U	430-470MHz standard antenna (red ring) J type connector	\$14.00
FASC57VS	160-174MHz stubby antenna J type connector	\$16.00
FASC61UC	380-520MHz cut antenna J type connector	\$20.00
FASC61VC	136-174MHz cut antenna for the specific frequency desired	\$20.00
FASC62V	150-160MHz high gain antenna J type connector	\$59.00
FASC63V	155-165MHz high gain antenna J type connector	\$60.00
FASC72U	470-512MHz antenna J type connector	\$14.00
FASC73US	450-470MHz stubby antenna for J type connector	\$16.00
LARSEN SPHL10160IC	151-163MHz helical ¼ wave antenna center tuned to 157MHz	\$45.00
Batteries		
BP263	Battery case that holds 6 AA alkaline batteries	\$32.00
BP265	Li-ion 7.4V 1900mAh	\$85.00
Belt Clips		
MB124	Alligator type belt clip	\$13.00

Accessories

Model	Description	MSRP
Cables		
OPC515L	DC power cable for single unit rapid chargers	\$28.00
Chargers		
AD121	Adapter cup that fits into the BC197 12/13 for the BP265 Li-ion battery	\$24.00
BC123SA	Straight-angle AC adapter for rapid chargers; 100-240V with US style plug	\$26.00
BC123SE	AC adapter for rapid chargers; 100-240V with Euro style plug	\$28.00
BC157S	AC adapter for gang chargers; 100-240V with US style plug	\$168.00
BC157SE	AC adapter for gang chargers; 100-240V with Euro style plug	\$168.00
BC193	Rapid charger for radios with BP265 Li-ion battery; 100-240V with US style plug	\$72.00
BC193E	Rapid charger for radios with BP265 Li-ion battery; 100-240V with Euro style plug	\$72.00
CP23L	12V cigarette lighter cable for use with rapid chargers	\$40.00
MB130	Vehicle charger bracket holds rapid charger; requires cigarette lighter cable	\$88.00
Headsets		
HS94	Earpiece headset; use with VS/OPC2004/OPC2006/OPC1392	\$27.00
HS95	Headset with boom mic; use with VS/OPC2004/OPC2006/OPC1392	\$230.00
HS97	Earphone with throat mic headset; use with VS/OPC2004/OPC2006/OPC1392	\$45.00
OPC2004	Adapter plug to use the HS94/95/97 for the F3001/4001/3101D/4101D & V80	\$28.00
Microphones		
HM158LA	Compact speaker microphone with revolving clip and earphone jack (right angle 2-pin screw down connector, stereo mic/mono speaker)	\$50.00
HM159LA	Large speaker microphone with earphone jack and metal alligator clip (right angle 2-pin screw down connector, stereo mic/mono speaker)	\$84.00
HM-HD7I7WP	Large waterproof speaker microphone with 3.5mm accessory jack (right angle 2-pin screw down connector)	\$117.00
IMPACT HD3-I3	Heavy duty speaker mic w/3.5mm accessory jack (2-pin screw down connector)	\$70.00
SP27	Acoustic tube earphone with a clip (3.5mm)	\$38.00
Software & Cables		
CSF3210D	Programming software for F3210D/4210D, F3230D/4230D & F5220D/6220D	\$90.00
OPC478UD	USB programming cable (2-pin connectors handhelds)	\$95.00

Accessories

Model	Description	MSRP
Wire Kits		
HM166LA	Earphone microphone with 2-pin right angle connector	\$62.00

F50V/F60V Series

Submersible Analog Portables are discontinued and no longer available from Icom. Compatible accessories outlined below may still be available.

Accessories

Model	Description	MSRP
Antennas		
AD92SMA	Antenna connector adapter to connect a BNC-type antenna	\$22.00
FAS24V	136-150MHz antenna for the F50/V handhelds (Blue ring)	\$14.00
FAS27U	400-470MHz antenna for the F60/V (green ring)	\$14.00
FAS56U	450-520MHz antenna for F60/V (red ring)	\$17.00
FAS57US	450-490MHz stubby antenna for F60/V portable radios (red ring)	\$19.00
FAS59V	150-174MHz standard antenna for the F50 & M88 (red ring)	\$16.00
FAS62VS	150-162MHz stubby antenna for F50/V (Red ring)	\$19.00
FAS63VS	160-174MHz stubby antenna for F50/V (green ring)	\$19.00
FAS74U	490-520MHz antenna for F60/V (blue ring)	\$14.00
Batteries		
BP227	Li-ion 7.2V 1950mAh (typical capacity), 1850mAh (minimum value); waterproof	\$142.00
Belt Clips		
MB86	Swivel belt clip that screws into back of radio	\$14.00
MB96N	Swivel belt hanger to use with belt clip	\$40.00
MB98	Standard belt clip for the F50/60 & M88	\$14.00
Cables		
OPC515L	DC power cable for single unit rapid chargers	\$28.00
Chargers		
BC123SA	Straight-angle AC adapter for rapid chargers; 100-240V with US style plug	\$26.00
BC123SE	AC adapter for rapid chargers; 100-240V with Euro style plug	\$28.00
BC147SA	AC adapter for trickle chargers; 100-240V with a US style plug	\$23.00
BC147SE 15	AC adapter for trickle chargers; 230V with a Euro style plug	\$17.00
BC152N 11	F50/F60/M88 desktop trickle charger (requires BC-147)	\$45.00

Accessories

Model	Description	MSRP
BC157S	AC adapter for gang chargers; 100-240V with US style plug	\$168.00
BC157SE	AC adapter for gang chargers; 100-240V with Euro style plug	\$168.00
CP23L	12V cigarette lighter cable for use with rapid chargers	\$40.00
MB130	Vehicle charger bracket holds rapid charger; requires cigarette lighter cable	\$88.00
Headsets		
HS94	Earpiece headset; use with VS/OPC2004/OPC2006/OPC1392	\$27.00
HS95	Headset with boom mic; use with VS/OPC2004/OPC2006/OPC1392	\$230.00
HS97	Earphone with throat mic headset; use with VS/OPC2004/OPC2006/OPC1392	\$45.00
Microphones		
HM138	Waterproof 9-pin marine style speaker mic (IS approved for F50/F60/M88/F70/F80)	\$139.00
HM169	Waterproof speaker mic (9-pin)	\$121.00
IMPACT HD3-I5	Heavy duty use speaker mic with 3.5mm accessory jack (9-pin)	\$80.00
Software & Cables		
OPC966U	USB programming cloning cable for radios with 9-pin connector	\$181.00
Wire Kits		
KLEIN DOUBLE AGENT-S8	2-Wire Kit D-Ring Earloop for F50/F60	\$74.00

F70/F80 – F70D/F80D Series

High End Analog, P25 Conventional, I.S. and FIPS Portables are discontinued and no longer available from Icom. Compatible accessories outlined below may still be available.

Accessories

Model	Description	MSRP
Antennas		
AD98FSC	Antenna connector adapter for "J" to "BNC" conversion	\$24.00
FASC25U	400-430MHz antenna J type connector	\$14.00
FASC25V	136-150MHz antenna J type connector	\$14.00
FASC55V	146-174MHz standard antenna J type connector	\$14.00
FASC56VS	150-160MHz stubby antenna J type connector	\$16.00
FASC57U	430-470MHz standard antenna (red ring) J type connector	\$14.00
FASC57VS	160-174MHz stubby antenna J type connector	\$16.00
FASC61UC	380-520MHz cut antenna J type connector	\$20.00
FASC61VC	136-174MHz cut antenna for the specific frequency desired	\$20.00
FASC62V	150-160MHz high gain antenna J type connector	\$59.00
FASC63V	155-165MHz high gain antenna J type connector	\$60.00
FASC72U	470-512MHz antenna J type connector	\$14.00
FASC73US	450-470MHz stubby antenna for J type connector	\$16.00
Batteries		
BP253	Li-ion 7.2V 1650mAh (typical capacity), 1570mAh (minimum value)	\$116.00
BP254	Li-ion 7.2V 3040mAh (typical capacity), 2900mAh (minimum value) for P25 portables	\$163.00
Belt Clips		
MB93	Swivel belt clip	\$12.00
MB94	Alligator belt clip	\$11.00
MB94R	Alligator belt clip with long clip that angles the antenna/top of radio off the body	\$19.00
MB96N	Swivel belt hanger to use with belt clip	\$40.00
Cables		
OPC515L	DC power cable for single unit rapid chargers	\$28.00

Accessories

Model	Description	MSRP
Chargers		
BC119NS 11	Rapid charger with AD110 installed for F70/80/9011/9021 radios; 100-240V with US style plug	\$100.00
BC121NS	6-Unit Charger Kit BC121N + AD110 x 6. Requires BC157S AC adapter.	\$494.00
BC157S	AC adapter for gang chargers; 100-240V with US style plug	\$168.00
BC157SE	AC adapter for gang chargers; 100-240V with Euro style plug	\$168.00
CP23L	12V cigarette lighter cable for use with rapid chargers	\$40.00
Encryption & Internal Modules		
UT120 01	P25 upgrade board for F70/80 handhelds	\$568.00
UT124 01	Man down unit	\$95.00
Headsets		
HS94	Earpiece headset; use with VS/OPC2004/OPC2006/OPC1392	\$27.00
HS95	Headset with boom mic; use with VS/OPC2004/OPC2006/OPC1392	\$230.00
HS97	Earphone with throat mic headset; use with VS/OPC2004/OPC2006/OPC1392	\$45.00
Microphones		
HM138	Waterproof 9-pin marine style speaker mic (IS approved for F50/F60/M88/F70/F80)	\$139.00
HM169	Waterproof speaker mic (9-pin)	\$121.00
IMPACT HD3-I5	Heavy duty use speaker mic with 3.5mm accessory jack (9-pin)	\$80.00
Software & Cables		
CSF70/F1700	Cloning Software F70/F80/F1721/F1821/F2721/F282	\$90.00
OPC1533	Radio to radio cloning cable between F1721/2721/D series mobiles & F70/80/D portable radios	\$92.00
OPC1536	Radio to radio cloning cable between F70/80/D portable radios	\$129.00
OPC966U	USB programming cloning cable for radios with 9-pin connector	\$181.00

FR5000-FR6000 Series

IDAS Digital & Analog Repeaters are discontinued and no longer available from Icom. Compatible accessories outlined below may still be available.

Accessories

Model	Description	MSRP
Antenna Switches		
IASANTSW1	Single antenna switch for base station operation	\$609.00
IASANTSW2	Dual antenna switch for base station operation	\$1,070.00
Cabinets		
IASMNT1030	30" (17RU) locking indoor cabinet	\$2,100.00
IASMNT1046	46" (26RU) locking indoor cabinet	\$2,394.00
IASMNT1060	60" (34RU) locking indoor cabinet	\$3,350.00
Cables		
OPC2390	Cable connecting VEPG4 to FR5000/6000	\$214.00
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	\$551.00
IASDUP1003	160-174 6 cavity 50W internal duplexer, 3MHz TX-RX separation	\$551.00
IASDUP1004	136-148 6 cavity 50W internal duplexer, 5MHz TX-RX separation	\$551.00
IASDUP1005	148-160 6 cavity 50W internal duplexer, 5MHz TX-RX separation	\$750.00
IASDUP1006	160-174 6 cavity 50W internal duplexer, 5MHz TX-RX separation	\$551.00
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	\$551.00
IASDUP1009	160-174 6 cavity 50W internal duplexer, 10MHz TX-RX separation	\$551.00
IASDUP1010	144-190MHz 6 cavity 100W duplexer with 3MHz minimum TX-RX separation	\$2,665.00
IASDUP1015	152-175MHz 50W internal duplexer (6-15MHz minimum separation)	\$536.00
IASDUP1035	400-512 4 cavity 100W duplexer, 3MHz TX-RX separation	\$1,990.00
IASDUP1036	400-440 6 cavity 50W internal duplexer, 5MHz TX-RX separation	\$551.00
IASDUP1037	440-470 6 cavity 50W internal duplexer, 5MHz TX-RX separation	\$792.00
IASDUP1038	470-490 6 cavity 50W internal duplexer, 5MHz TX-RX separation	\$551.00

Accessories

Model	Description	MSRP
IASDUP1039	490-512 6 cavity 50W internal duplexer, 5MHz TX-RX separation	\$551.00
IASDUP1040	400-440 6 cavity 50W internal duplexer, 10MHz TX-RX separation	\$551.00
IASDUP1041	440-470 6 cavity 50W internal duplexer, 10MHz TX-RX separation	\$551.00
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	\$1,695.00
IASDUP50FR	FR5300/6300 internal duplexer assembly kit including RF jumpers, mounting bracket and screws	\$105.00
External Speakers		
SP35	5W external speaker with 3.5mm speaker jack and 2m cable	\$64.00
IP Linking		
CFFR5000 02	Multi-site (conventional only) IP repeater link card (requires UC-FR5000 or UCFR5300 board)	\$140.00
CFFR5000MT	Multi-site (conventional & trunking) IP repeater link card (requires UC-FR5000 or UCFR5300 board)	\$1,045.00
Microphones		
HM148G	Self grounding microphone for mobile radios	\$72.00
HM148T	DTMF mobile microphone	\$112.00
HM152	Microphone for low/mid range mobile radios	\$50.00
HM152T	DTMF modular microphone for LM mobile radios	\$102.00
SM26	Desktop microphone with monitor switch for mobile radios	\$110.00
Power Amplifiers		
IASE2PA511	470-490MHz 100W 2RU additional power amplifier (fits next to IASE2PA507 in chassis)	\$3,570.00
IASPA500	136-174MHz 100W out, 2-5W in, 4RU power amplifier; 19" rack mountable	\$2,515.00
IASPA540	403-512MHz 100W out, 2-5W in, 4RU power amplifier 19" rack-mountable	\$2,915.00
IASPA550	450-512MHz 100W out, 2-5W in, 4RU power amplifier 19" rack-mountable	\$2,915.00
Power Equipment & Rack Mounting		
IASDP1001	DC distribution panel 12/24VDC with remote power control and SNMP. It can manage up to 12 loads.	\$1,950.00

Accessories

Model	Description	MSRP
IASMNT1102	19" 2RU rack mount tray for 20A power supply; holds up to 2 units (power supplies not screwed into tray)	\$184.00
IASMNT1105	Battery charger rackmount kit holds 1 to 2 chargers	\$173.00
IASPS1022	12v/30A power supply/battery charger - 1RU rack mountable with IASMNT1105	\$872.00
IASPS1220	20A power supply 13.8VDC; requires tray for use in rack (IASMNT1102)	\$210.00
Pre-Selectors		
IASPR1001	136-150MHz 4 cavity pre-selector (assembly kit required with FR5000)	\$735.00
IASPR1002	150-174MHz 4 cavity pre-selector (assembly kit required with FR5000)	\$735.00
IASPR1010	400-440MHz 4 cavity pre-selector (assembly kit required with FR6000)	\$735.00
IASPR1011	440-520MHz 4 cavity pre-selector (assembly kit required with FR6000)	\$735.00
IASPR50FR	FR5000/6000 internal pre-selector assembly kit including RF jumpers, mounting bracket and screws	\$152.00
Racks		
IASMNT1028	28x19, 16U desktop 2-post rack; 350lb weight capacity	\$465.00
IASMNT1042	42x19 welded steel 2-post rack; 24U, 1,500lb weight capacity	\$788.00
IASMNT1070	70x19 welded steel 2-post rack; 40U, 1,500lb weight capacity	\$1,500.00
Remote Communication		
CT23 01	PTT microphone adapter to use SM-26 or HM-152 with a PC. Requires BC-147S.	\$128.00
CT24	Digital voice converter (supplied with RCFS10 and works with VEPG3)	\$1,260.00
RCFS10	Remote Communicator software + CT-24 (digital voice converter unit - each IDAS system requires 1 CT-24)	\$1,911.00
Software & Cables		
CSFR5000	FR5000/6000 programming software	\$90.00
RSMGR1	Remote system manager software for IDAS MultiTrunk	\$5,245.00
Trunking/Network Controller		
IAS CROSSBAND CONTROLLER	Analog gateway that provides an easy migration path from analog to digital technology	\$526.00
UCFR5300	Trunking/Network controller board (1 per repeater)	\$578.00



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