ICOM®

U.S. Land Mobile Retail
Product Catalog

January 2021

CONFIDENTIAL

Icom America Inc.

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Icom America Inc.

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Portables

V10MR

VHF Transceiver

SPECS _____

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

FEATURES _____

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

SUPPLIED ACCESSORIES

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

Configurations

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

Accessories

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

Accessories

Model	Description	MSRP
OPC2004LA	VOX conversion cable to to use the HS-97 for the F1000/D products	$27.00
VS4LA	PTT switch cable to communicate using the HS94/95/97	$115.00
Microphones		
HM158LA	Compact speaker microphone with revolving clip and earphone jack (right angle 2-pin screw down connector, stereo mic/mono speaker)	$47.00
HM159LA	Large speaker microphone with earphone jack and metal alligator clip (right angle 2-pin screw down connector, stereo mic/mono speaker)	$77.00
HM168LWP	Waterproof speaker microphone	$140.00
Software & Cables		
OPC478UC	USB programming cable (2-pin connectors handhelds)	$70.00
Wire Kits		
HM153LA	Covert durable microphone with earphone combination (right angle 2-pin screw down connector)	$125.00
HM166LA	Earphone microphone with 2-pin right angle connector	$53.00

F3001 – F4001 Series
Entry Level Analog Portables

SPECS _____

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

FEATURES _____

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

SIGNALING _____

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

COMES WITH _____

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

IP54 DUST PROTECTION & SPLASH PROOF

Meets MIL-STD 810

OTTO ACCESSORIES AVAILABLE

MDC 1200 Compatible

Configurations

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

Accessories

Model	Description	MSRP
ENGRAVE	Engrave radio	$0.00
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		
FASC25U	400-430MHz antenna J type connector	$13.00
FASC25V	136-150MHz antenna J type connector	$13.00
FASC26US	400-450MHz stubby antenna J type connector	$14.50
FASC26VS	136-144MHz stubby antenna J type connector	$14.50
FASC27VS	142-150MHz stubby antenna J type connector	$14.50
FASC28V	142-162MHz antenna J type connector	$13.00
FASC29V	160-174MHz antenna J type connector	$13.00
FASC55V	146-174MHz standard antenna J type connector	$13.00
FASC56VS	150-160MHz stubby antenna J type connector	$14.50
FASC57U	430-470MHz standard antenna (red ring) J type connector	$13.00
FASC57VS	160-174MHz stubby antenna J type connector	$14.50
FASC61UC	380-520MHz cut antenna J type connector	$19.00
FASC61VC	136-174MHz cut antenna for the specific frequency desired	$19.00
FASC62V	150-160MHz high gain antenna J type connector	$55.00
FASC63V	155-165MHz high gain antenna J type connector	$55.00
FASC72U	470-512MHz antenna J type connector	$13.00
FASC73US	450-470MHz stubby antenna for J type connector	$14.50
LAIRD EXH 160 MXI	155-160MHz antenna	$26.00

Accessories

Model	Description	MSRP
LARSEN SPHL10160IC	151-163MHz helical ¼ wave antenna center tuned to 157MHz	$26.00
Batteries		
BP263	Battery case that holds 6 AA alkaline batteries	$30.00
BP264	Ni-MH 7.2V 1400mAh	$47.00
BP265	Li-ion 7.4V 1900mAh	$62.00
Belt Clips		
MB124	Alligator type belt clip	$12.00
Cables		
OPC515L	DC power cable for single unit rapid chargers	$26.00
OPC656	DC power cable for gang charger	$12.00
Carrying Cases		
LCF3000 SWIVEL	Leather carrying case with a swivel for the F3001/4001 & F3101D/4101D radios	$50.00
NCF3000 CLIP	Nylon carrying case with a clip for the F3001/4001 & F3101D/4101D radios	$27.00
Chargers		
AD120	Adapter cup that fits into the BC197 02/03 for the BP264 NiMH battery	$23.00
AD121	Adapter cup that fits into the BC197 12/13 for the BP265 Li-ion battery	$23.00
BC123SA	AC adapter for rapid chargers; 100-240V with US style plug	$25.00
BC123SE	AC adapter for rapid chargers; 100-240V with Euro style plug	$26.00
BC157S	AC adapter for gang chargers; 100-240V with US style plug	$150.00
BC157SE	AC adapter for gang chargers; 100-240V with Euro style plug	$130.00
BC193	Rapid charger for radios with BP265 Li-ion battery; 100-240V with US style plug	$67.00
BC193E	Rapid charger for radios with BP265 Li-ion battery; 100-240V with Euro style plug	$67.00
BC197 02	Six unit charger for radios with the BP264 NiMH battery (includes AC adapter and cups installed); 100-240V with US style plug	$510.00
BC197 03	Six unit charger for radios with the BP264 NiMH battery (includes AC adapter and cups installed); 100-240V with Euro style plug	$510.00
BC197 12	110-240V six unit charger for radios with the BP265 Li-Ion battery (includes AC adapter with US plug and cups installed)	$510.00

Accessories

Model	Description	MSRP
BC197 13	220V six unit charger for radios with the BP265 Li-Ion battery (includes AC adapter and cups installed)	$510.00
CP23L	12V cigarette lighter cable for use with rapid chargers	$38.00
MB130	Vehicle charger bracket holds rapid charger; requires cigarette lighter cable	$83.00

Headsets

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

Manuals

Model	Description	MSRP
94415602	F3001/4001 USB Drive service manual	$Ǧ ḃ̈Ï .

Microphones

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

Software & Cables

Model	Description	MSRP
CSF3001	F3001/F4001 programming software	$72.00
OPC478UC	USB programming cable (2-pin connectors handhelds)	$70.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	$0.00

Wire Kits

Model	Description	MSRP
HM128L	Earphone/mic with 2-pin right angle connector	$28.50
HM153LA	Covert durable microphone with earphone combination (right angle 2-pin screw down connector)	$125.00
HM166LA	Earphone microphone with 2-pin right angle connector	$53.00

F1000/S/T – F2000/S/T Series

Entry Level Analog Portables

SPECS _____

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

FEATURES _____

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

COMES WITH _____

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

SIGNALING _____

CTCSS / DTCS encode & decode
Built-In 2-Tone, 5-Tone
MDC1200 16 channel version
- PTT ID (transmit only)
- Emergency Call (transmit only)

MDC1200 S/T version
- PTT ID (Tx/Rx)
- Emergency (Tx/Rx)
- Radio check (Rx)
- Stun/revive (Rx)
- Transmit status message
- 100 alias table

Configurations

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

Accessories

Model	Description	MSRP
ENGRAVE	Engrave radio	$0.00
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

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

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Accessories

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

Batteries

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

Belt Clips

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

Cables

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

Carrying Cases

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

Chargers

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

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Accessories

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

Headsets

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

Microphones

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

Software & Cables

Model	Description	MSRP
CSF2000	Programming software for the F1000/2000 series	$72.00
OPC478UC	USB programming cable (2-pin connectors handhelds)	$70.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	$0.00

Wire Kits

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

Accessories

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

F1100D – F2100D Series
Entry Level IDAS™ Portables

SPECS

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

FEATURES

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

IDAS FEATURES

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

COMES WITH

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

SIGNALING (Analog Only)

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

Configurations

Model	Description	MSRP
F1100D RC	136-174MHz IDAS portable with 16 channels and no display with rapid charger	$405.00
F1100D CASE	Case of 10 F1100D handhelds including the rapid charger	$3,780.00
F1100DS RC	136-174MHz IDAS portable with 128 channels, display with limited keypad, and rapid charger	$495.00
F1100DS CASE	Case of 10 F1100DS handhelds including the rapid charger	$4,300.00
F1100DT	136-174MHz IDAS portable with 128 channels, display and full DTMF keypad	$500.00
F1100DT CASE	Case of 10 F1100DT handhelds including the rapid charger	$4,600.00
F2100DH RC	450-512MHz IDAS portable with 16 channels and no display	$405.00
F2100DH CASE	Case of 10 F2100D handhelds including the rapid charger	$3,780.00
F2100DS 26	450-512MHz IDAS portable with 128 channels, display and limited keypad	$450.00
F2100DSH CASE	Case of 10 F2100DSH handhelds including the rapid charger	$4,300.00
F2100DT 36	450-512MHz IDAS portable with 128 channels, LCD, full DTMF keypad	$500.00
F2100DTH CASE	Case of 10 F2100DTH handhelds including the rapid charger	$4,600.00
F2100DL RC	400-470MHz IDAS portable (5W) with 16 channels + rapid charger and no display	$405.00
F2100DL CASE	Case of 10 F2100D handhelds including the rapid charger	$3,780.00
F2100DSL RC	400-470MHz IDAS portable with 128 channels, display, limited keypad and rapid charger	$495.00
F2100DSL CASE	Case of 10 F2100DS 21 handhelds including the rapid charger	$4,300.00
F2100DT 31	400-470MHz IDAS portable with 128 channels, LCD, full DTMF keypad	$500.00
F2100DTL CASE	Case of 10 F21000DTL handhelds including the rapid charger	$4,600.00

Accessories

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

Accessories

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

Batteries

BP280	Li-ion 7.2V 2280mAh battery	$85.00

Belt Clips

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

Cables

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

Carrying Cases

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

Accessories

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

Chargers

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

Headsets

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

Microphones

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

Accessories

Model	Description	MSRP
Software & Cables		
CSF2100D	Programming software for the F1100D/2100D	$75.00
OPC478UC	USB programming cable (2-pin connectors handhelds)	$70.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	$0.00
Wire Kits		
HM153LA	Covert durable microphone with earphone combination (right angle 2-pin screw down connector)	$125.00
HM166LA	Earphone microphone with 2-pin right angle connector	$53.00

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

SPECS _____

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

FEATURES _____

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

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

SIGNALING _____

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

COMES WITH _____

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

IP67   Meets MIL-STD 810   IDAS ICOM DIGITAL ADVANCED SYSTEM

Configurations

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

Accessories

Model	Description	MSRP
Antennas		
FASC25U	400-430MHz antenna J type connector	$13.00
FASC25V	136-150MHz antenna J type connector	$13.00
FASC26US	400-450MHz stubby antenna J type connector	$14.50
FASC26VS	136-144MHz stubby antenna J type connector	$14.50
FASC27VS	142-150MHz stubby antenna J type connector	$14.50
FASC28V	142-162MHz antenna J type connector	$13.00
FASC29V	160-174MHz antenna J type connector	$13.00
FASC55V	146-174MHz standard antenna J type connector	$13.00
FASC57U	430-470MHz standard antenna (red ring) J type connector	$13.00
Batteries		
BP277EX	Li-ion 7.4V 1900mAh (typ. capacity), 1800mAh (min. value) blue battery	$400.00
Belt Clips		
MB94EX	Blue alligator belt clip for F3201DEX/4201DEX	$17.00
Chargers		
BC212EX	Rapid charger (includes BC213SA) for F3201DEX/4201DEX	$130.00
Microphones		
HM203EX	Blue speaker microphone for F3201DEX/4201DEX	$210.00
Software & Cables		
CSF3101D/F5121D	F3101D/F5121D series programming software	$72.00
OPC1862	USB programming cloning cable for radios with 14-pin connector	$189.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	$0.00

F3210D – F4210D Series
Entry Level IDAS™ Trunking Portables

SPECS _____

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

FEATURES _____

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

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

SIGNALING _____

CTCSS / DTCS encode & decode
(analog only)

COMES WITH _____

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

IP54
DUST PROTECTION
& SPLASH PROOF

Meets
MIL-STD 810

iDAS
ICOM DIGITAL ADVANCED SYSTEM

Configurations

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

Accessories

Model	Description	MSRP
ENGRAVE	Engrave radio	$0.00
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		
FASC25U	400-430MHz antenna J type connector	$13.00
FASC25V	136-150MHz antenna J type connector	$13.00
FASC26US	400-450MHz stubby antenna J type connector	$14.50
FASC26VS	136-144MHz stubby antenna J type connector	$14.50
FASC27VS	142-150MHz stubby antenna J type connector	$14.50
FASC28V	142-162MHz antenna J type connector	$13.00
FASC29V	160-174MHz antenna J type connector	$13.00
FASC55V	146-174MHz standard antenna J type connector	$13.00
FASC56VS	150-160MHz stubby antenna J type connector	$14.50
FASC57U	430-470MHz standard antenna (red ring) J type connector	$13.00
FASC57VS	160-174MHz stubby antenna J type connector	$14.50
FASC61UC	380-520MHz cut antenna J type connector	$19.00
FASC61VC	136-174MHz cut antenna for the specific frequency desired	$19.00
FASC62V	150-160MHz high gain antenna J type connector	$55.00
FASC63V	155-165MHz high gain antenna J type connector	$55.00
FASC72U	470-512MHz antenna J type connector	$13.00
FASC73US	450-470MHz stubby antenna for J type connector	$14.50
LARSEN SPHL10160IC	151-163MHz helical ¼ wave antenna center tuned to 157MHz	$26.00

Accessories

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

Accessories

Model	Description	MSRP
Manuals		
94416646	F3210D/4210D USB Drive service manual	$28.97
Microphones		
HM158LA	Compact speaker microphone with revolving clip and earphone jack (right angle 2-pin screw down connector, stereo mic/mono speaker)	$47.00
HM159LA	Large speaker microphone with earphone jack and metal alligator clip (right angle 2-pin screw down connector, stereo mic/mono speaker)	$77.00
HM-HD7I7WP	Large waterproof speaker microphone with 3.5mm accessory jack (right angle 2-pin screw down connector)	$110.00
IMPACT HD3-I3	Heavy duty speaker mic w/3.5mm accessory jack (2-pin screw down connector)	$59.00
SP27	Acoustic tube earphone with a clip (3.5mm)	$35.00
Software & Cables		
CSF3210D	Programming software for F3210D/4210D, F3230D/4230D & F5220D/6220D	$72.00
OPC478UC	USB programming cable (2-pin connectors handhelds)	$70.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	$0.00
Wire Kits		
HM128L	Earphone/mic with 2-pin right angle connector	$28.50
HM153LA	Covert durable microphone with earphone combination (right angle 2-pin screw down connector)	$125.00
HM166LA	Earphone microphone with 2-pin right angle connector	$53.00

F3230D – F4230D Series

IDAS Trunking Portables

SPECS _____

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

FEATURES _____

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

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

SIGNALING_____

CTCSS / DTCS encode & decode (analog only)

COMES WITH _____

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

Configurations

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

Accessories

Model	Description	MSRP
ENGRAVE	Engrave radio	$0.00
EXTWARR611	1 year extended warranty	$40.00
EXTWARR612	2 year extended warranty	$70.00
EXTWARR613	3 year extended warranty	$110.00
Antennas		
FASC25U	400-430MHz antenna J type connector	$13.00
FASC25V	136-150MHz antenna J type connector	$13.00
FASC26US	400-450MHz stubby antenna J type connector	$14.50
FASC26VS	136-144MHz stubby antenna J type connector	$14.50
FASC27VS	142-150MHz stubby antenna J type connector	$14.50
FASC28V	142-162MHz antenna J type connector	$13.00
FASC29V	160-174MHz antenna J type connector	$13.00
FASC55V	146-174MHz standard antenna J type connector	$13.00
FASC56VS	150-160MHz stubby antenna J type connector	$14.50
FASC57U	430-470MHz standard antenna (red ring) J type connector	$13.00
FASC57VS	160-174MHz stubby antenna J type connector	$14.50
FASC61UC	380-520MHz cut antenna J type connector	$19.00
FASC61VC	136-174MHz cut antenna for the specific frequency desired	$19.00
FASC62V	150-160MHz high gain antenna J type connector	$55.00
FASC63V	155-165MHz high gain antenna J type connector	$55.00
FASC72U	470-512MHz antenna J type connector	$13.00
FASC73US	450-470MHz stubby antenna for J type connector	$14.50
LAIRD EXH 160 MXI	155-160MHz antenna	$26.00

Accessories

Model	Description	MSRP
LARSEN SPHL10160IC	151-163MHz helical ¼ wave antenna center tuned to 157MHz	$26.00

Batteries

Model	Description	MSRP
BP232WP	Li-ion 7.4V 2300mAh (typical capacity), 2250mAh (minimum value) IP67 waterproof battery	$75.00

Belt Clips

Model	Description	MSRP
AW STUD/SWIVEL KIT	Metal stud that slides on like a belt clip and it's attached to a strong metal swivel belt clip	$21.00
AW SWIVEL	Swivel clip used with the AW Stud/Swivel Kit.	$13.00
MB93	Swivel belt clip	$11.00
MB94	Alligator belt clip	$10.50
MB94R	Alligator belt clip with long clip that angles the antenna/top of radio off the body	$18.00
MB96N	Swivel belt hanger to use with standard belt clip	$37.00

Cables

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

Carrying Cases

Model	Description	MSRP
LCF3021S SWIVEL	Leather carrying case with a metal swivel clip and cutout for the display	$50.00
NCF3021S CLIP	Nylon carrying case with a clip and cutout for the display	$27.00

Chargers

Model	Description	MSRP
AD106	Adapter cup for the BC119N/BC121N for the radios with the BP232N/H battery	$28.00
AD122	Adapter cup that fits into the BC197 22/23 for the BP232N/H batteries	$23.00
BC147SA	AC adapter for trickle chargers; 100-240V with a US style plug	$15.00
BC147SE 15	AC adapter for trickle chargers; 230V with a Euro style plug	$16.00
BC157S	AC adapter for gang chargers; 100-240V with US style plug	$150.00
BC157SE	AC adapter for gang chargers; 100-240V with Euro style plug	$130.00
BC160	Rapid charger for radios with the BP230/231/232 battery; 100-240V with a US style plug	$70.00
BC160E	Rapid charger for radios with the BP230/231/232 battery; 100-240V with a Euro style plug	$70.00
BC197 22	Six unit charger for radios with the BP232N/H Li-Ion battery (includes AC adapter and cups installed); 100-240V with US style plug	$510.00

Accessories

Model	Description	MSRP
BC197 23	Six unit charger for radios with the BP232N/H Li-Ion battery (includes AC adapter and cups installed); 100-240V with Euro style plug	$510.00

Headsets

Model	Description	MSRP
HS94	Earpiece headset; use with VS/OPC2004/OPC2006/OPC1392	$25.00
HS95	Headset with boom mic; use with VS/OPC2004/OPC2006/OPC1392	$215.00
HS97	Earphone with throat mic headset; use with VS/OPC2004/OPC2006/OPC1392	$42.00
VS1L	VOX/PTT case with 2-pin right angle connector. Must use with HS94/HS95/HS97	$44.00

Manuals

Model	Description	MSRP
94416677	F3230D USB Drive service manual	$33.33
94416679	F4230D USB Drive Service manual	$33.33

Microphones

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

Software & Cables

Model	Description	MSRP
CSF3210D	Programming software for F3210D/4210D, F3230D/4230D & F5220D/6220D	$72.00
OPC478UC	USB programming cable (2-pin connectors handhelds)	$70.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	$0.00

Wire Kits

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

F3261D – F4261D Series (Discontinued – Limited Stock)

Waterproof Analog, LTR®, & IDAS Digital Portables

SPECS _____

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

FEATURES _____

General Features

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

Digital Features

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

COMES WITH _____

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

SIGNALING _____

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

ENCRYPTION _____

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

Configurations

Model	Description	MSRP
F3261DT NI	136-174MHz nonincendive rated waterproof IDAS radio, full DTMF keypad	$0.00
F3261DT 35 RR	Railroad specific version: 136-174MHz 512 channel, IDAS waterproof portable radio with a DTMF keypad and GPS. Special railroad firmware installed.	$880.00
F4261DS 65	400-470MHz waterproof IDAS radio with GPS, no DTMF keypad	$0.00
F4261DT 55	400-470MHz waterproof IDAS radio with GPS, full DTMF keypad	$845.00
F4261DS 90	450-512MHz waterproof IDAS radio with GPS, no DTMF keypad	$800.00
F4261DT 85	450-512MHz waterproof IDAS radio with GPS, full DTMF keypad	$845.00
F4261DT NI-1	400-470MHz nonincendive rated waterproof IDAS radio, full DTMF keypad	$845.00
F4261DT NI-2	450-512MHz nonincendive rated waterproof IDAS radio, full DTMF keypad	$845.00

Accessories

Model	Description	MSRP
ENGRAVE	Engrave radio	$0.00
EXTWARR611	1 year extended warranty	$40.00
EXTWARR612	2 year extended warranty	$70.00
EXTWARR613	3 year extended warranty	$110.00
Antennas		
FASC25U	400-430MHz antenna J type connector	$13.00
FASC25V	136-150MHz antenna J type connector	$13.00
FASC26US	400-450MHz stubby antenna J type connector	$14.50
FASC26VS	136-144MHz stubby antenna J type connector	$14.50
FASC27VS	142-150MHz stubby antenna J type connector	$14.50
FASC28V	142-162MHz antenna J type connector	$13.00
FASC29V	160-174MHz antenna J type connector	$13.00
FASC55V	146-174MHz standard antenna J type connector	$13.00
FASC56VS	150-160MHz stubby antenna J type connector	$14.50
FASC57U	430-470MHz standard antenna (red ring) J type connector	$13.00
FASC57VS	160-174MHz stubby antenna J type connector	$14.50
FASC61UC	380-520MHz cut antenna J type connector	$19.00
FASC61VC	136-174MHz cut antenna for the specific frequency desired	$19.00

Accessories

Model	Description	MSRP
FASC62V	150-160MHz high gain antenna J type connector	$55.00
FASC63V	155-165MHz high gain antenna J type connector	$55.00
FASC72U	470-512MHz antenna J type connector	$13.00
FASC73US	450-470MHz stubby antenna for J type connector	$14.50
LAIRD EXH 160 MXI	155-160MHz antenna	$26.00
LARSEN SPHL10160IC	151-163MHz helical ¼ wave antenna center tuned to 157MHz	$26.00

Batteries

Model	Description	MSRP
BP232UL	Li-ion 7.4V 2300mAh (typical capacity), 2250mAh (minimum value) for the nonincendive approved radios	$175.00
BP232WP	Li-ion 7.4V 2300mAh (typical capacity), 2250mAh (minimum value) IP67 waterproof battery	$75.00
BP240	Battery case that holds 6 AAA alkaline batteries (1W output power)	$35.00

Belt Clips

Model	Description	MSRP
MB93	Swivel belt clip	$11.00
MB94	Alligator belt clip	$10.50
MB94R	Alligator belt clip with long clip that angles the antenna/top of radio off the body	$18.00
MB96N	Swivel belt hanger to use with standard belt clip	$37.00

Cables

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

Carrying Cases

Model	Description	MSRP
LCF3261S SWIVEL	Leather carrying case with a swivel clip and cutout for the display for F3261	$50.00
LCF3261T SWIVEL	Leather carrying case with a swivel clip and cutout for the DTMF keypad for F3261 series	$50.00
NCF3261S CLIP	Nylon carrying case with a clip and cutout for the display for F3261 series	$27.00
NCF3261T CLIP	Nylon carrying case with a clip and cutout for the DTMF keypad for F3261 series	$27.00

Chargers

Model	Description	MSRP
AD106	Adapter cup for the BC119N/BC121N for the radios with the BP232N/H battery	$28.00
AD122	Adapter cup that fits into the BC197 22/23 for the BP232N/H batteries	$23.00
BC123SA	AC adapter for rapid chargers; 100-240V with US style plug	$25.00

Accessories

Model	Description	MSRP
BC123SE	AC adapter for rapid chargers; 100-240V with Euro style plug	$26.00
BC157S	AC adapter for gang chargers; 100-240V with US style plug	$150.00
BC157SE	AC adapter for gang chargers; 100-240V with Euro style plug	$130.00
BC160	Rapid charger for radios with the BP230/231/232 battery; 100-240V with a US style plug	$70.00
BC160E	Rapid charger for radios with the BP230/231/232 battery; 100-240V with a Euro style plug	$70.00
BC197 22	Six unit charger for radios with the BP232N/H Li-Ion battery (includes AC adapter and cups installed); 100-240V with US style plug	$510.00
BC197 23	Six unit charger for radios with the BP232N/H Li-Ion battery (includes AC adapter and cups installed); 100-240V with Euro style plug	$510.00
CP23L	12V cigarette lighter cable for use with rapid chargers	$38.00
MB130	Vehicle charger bracket holds rapid charger; requires cigarette lighter cable	$83.00
SS BC61	Mobile rapid charger with cigarette adapter for the F3161 & F3261 series	$215.00

Headsets

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

Manuals

94416576	F3261/4261 USB Drive service manual	$33.33

Microphones

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

Miscellaneous

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

Accessories

Model	Description	MSRP
Software & Cables		
CSF3161/F5061	Software to program the F3161/4161 & F5061/6061 radios	$72.00
OPC1862	USB programming cloning cable for radios with 14-pin connector	$189.00
OPC1870	Radio to radio cloning cable between two 14-pin connector portable radios	$125.00
OPC1871	Radio to radio cloning cable between 14-pin connector portable & mobile radio; used in conjunction with the OPC1534 for encryption key loading on the F7010 portable series	$110.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	$0.00

F3360D – F4360D Series

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

SPECS _____

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

FEATURES _____

General Features

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

Digital Features

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

COMES WITH _____

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

SIGNALING _____

MDC1200
CTCSS/DCS encode & decode
DTMF decode

ENCRYPTION _____

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

Configurations

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

Accessories

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

Accessories

Model	Description	MSRP
LARSEN SPHL10160IC	151-163MHz helical ¼ wave antenna center tuned to 157MHz	$26.00

Batteries

Model	Description	MSRP
BP232WP	Li-ion 7.4V 2300mAh (typical capacity), 2250mAh (minimum value) IP67 waterproof battery	$75.00
BP240	Battery case that holds 6 AAA alkaline batteries (1W output power)	$35.00

Belt Clips

Model	Description	MSRP
MB93	Swivel belt clip	$11.00
MB94	Alligator belt clip	$10.50
MB94R	Alligator belt clip with long clip that angles the antenna/top of radio off the body	$18.00
MB96N	Swivel belt hanger to use with standard belt clip	$37.00

Cables

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

Carrying Cases

Model	Description	MSRP
LCF3261S SWIVEL	Leather carrying case with a swivel clip and cutout for the display for F3261	$50.00
LCF3261T SWIVEL	Leather carrying case with a swivel clip and cutout for the DTMF keypad for F3261 series	$50.00
NCF3261S CLIP	Nylon carrying case with a clip and cutout for the display for F3261 series	$27.00
NCF3261T CLIP	Nylon carrying case with a clip and cutout for the DTMF keypad for F3261 series	$27.00

Chargers

Model	Description	MSRP
AD106	Adapter cup for the BC119N/BC121N for the radios with the BP232N/H battery	$28.00
AD122	Adapter cup that fits into the BC197 22/23 for the BP232N/H batteries	$23.00
BC123SA	AC adapter for rapid chargers; 100-240V with US style plug	$25.00
BC123SE	AC adapter for rapid chargers; 100-240V with Euro style plug	$26.00
BC157S	AC adapter for gang chargers; 100-240V with US style plug	$150.00
BC157SE	AC adapter for gang chargers; 100-240V with Euro style plug	$130.00
BC160	Rapid charger for radios with the BP230/231/232 battery; 100-240V with a US style plug	$70.00
BC160E	Rapid charger for radios with the BP230/231/232 battery; 100-240V with a Euro style plug	$70.00

Accessories

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

Headsets

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

Microphones

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

Miscellaneous

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

Software & Cables

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

Accessories

Model	Description	MSRP
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	$0.00

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

GENERAL FEATURES _____

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

IDAS FEATURES _____

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

COMES WITH _____

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

Analog Signaling _____

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

ENCRYPTION _____

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

Configurations

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

Accessories

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

Accessories

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

Accessories

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

Microphones

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

Miscellaneous

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

Software & Cables

Model	Description	MSRP
CSF52D	F52D/F62D programming software	$100.00
CSOTPM1	Over-the-air programming (OTAP) manager software	$520.00
OPC1862	USB programming cloning cable for radios with 14-pin connector	$189.00
OPC1870	Radio to radio cloning cable between two 14-pin connector portable radios	$125.00
OPC2338	14-pin programming cable plus transparent data transfer	$235.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	$0.00

Accessories

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

Trunking

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

Wire Kits

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

F52DUL/F62DUL Series

Analog & IDAS Digital Intrinsically Safe Portables

SPECS _____

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

GENERAL FEATURES _____

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

IDAS FEATURES _____

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

COMES WITH _____

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

Analog Signaling _____

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

ENCRYPTION _____

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

Configurations

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

Accessories

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

Accessories

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

Accessories

Model	Description	MSRP
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	$0.00
Trunking		
ISL-UGMTR	Type D trunking license for single and multi-site trunking	$125.00

F3400D – F4400D Series

VHF UHF Digital Handheld Transceiver

SPECS _____

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

FEATURES _____

General Features

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

Digital Features

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

COMES WITH _____

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

ANALOG SIGNALING _____

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

ENCRYPTION _____

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

*Future Availability

Configurations

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

Accessories

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

Accessories

Model	Description	MSRP
FAS83VS	160-174MHz stubby antenna for F3400	$19.00
GAL 06026	VHF Wideband 136-174MHz Helical Antenna.	$100.00

Batteries

Model	Description	MSRP
BP283	Li-ion 7.4V 2010mAh (typical capacity), 1910mAh (minimum value)	$115.00
BP284	Li-ion 7.4V 3210mAh (typical capacity), 3070mAh (minimum value)	$175.00

Belt Clips

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

Cables

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

Carrying Cases

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

Chargers

Model	Description	MSRP
BC123SA	AC adapter for rapid chargers; 100-240V with US style plug	$25.00
BC123SE	AC adapter for rapid chargers; 100-240V with Euro style plug	$26.00
BC157S	AC adapter for gang chargers; 100-240V with US style plug	$150.00
BC157SE	AC adapter for gang chargers; 100-240V with Euro style plug	$130.00
BC214-1	Six gang charger (includes AC adapter with US plug)	$510.00
BC214-1E	Six gang charger (includes AC adapter with Euro plug)	$510.00
BC219E	Rapid charger for radios with the BP283/BP28/BP290/BP294 batteries; 100-240V with a Euro style plug	$70.00

Accessories

Model	Description	MSRP
BC219N	Rapid charger for radios with the BP283/BP284; 100-240V with a US style plug	$70.00
BC225	Smart rapid charger; 100-240V with a US style plug	$135.00
CP23L	12V cigarette lighter cable for use with rapid chargers	$38.00
IABC1019	Heavy duty vehicular charger	$400.00
SS BC62	Mobile rapid charger with cigarette adapter for the F3400 & F7010 series	$235.00

Encryption & Internal Modules

Model	Description	MSRP
CSKLD2	Encryption key loader software for F3400/F5400 series	$600.00
INSTALL-MF	Install a component into an LM mobile or portable	$0.00
ISL-AKAES	AES activation code for F3400/F5400 series	$360.00
UT134	AES/DES encryption board; requires ISL code to activate AES	$185.00

Headsets

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

Microphones

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

Accessories

Model	Description	MSRP
Miscellaneous		
AD118	14-pin ACC adapter to use with Hirose plug accessories	$80.00
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
MSD CARD	32GB micro SD card	$30.00
Software & Cables		
CSF3400D	Programming software for the F3400D/F5400D series	$80.00
CSOTPM1	Over-the-air programming (OTAP) manager software	$520.00
OPC1870	Radio to radio cloning cable between two 14-pin connector portable radios	$125.00
OPC2338	14-pin programming cable plus transparent data transfer	$235.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	$0.00
Trunking		
ISL-UGMTR	Type D trunking license for single and multi-site trunking	$125.00

F70/F80 – F70D/F80D Series

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

SPECS _____

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

FEATURES _____

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

SIGNALING _____

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

DTMF
MDC1200
- PTT I/Caller ID, selective call, radio check, call alert
- Emergency, emergency mic monitoring
- Stun/revive, call log, status/message
- 500 aliases

COMES WITH _____

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

ENCRYPTION _____

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

Digital Only:
AES & DES upgrade options

Configurations

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

Accessories

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

Accessories

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

Belt Clips

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

Cables

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

Carrying Cases

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

Chargers

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

Encryption & Internal Modules

Model	Description	MSRP
INSTALL-MF	Install a component into an LM mobile or portable	$0.00
KA KVL125	KVL unit powered by 9-volt battery	$3,185.00
UT109 02	Non-rolling voice scrambler. Up to 32 codes available. Not compatible with radios using the UT-110.	$105.00
UT110 02	Rolling voice scrambler. Up to 1020 (255 codes x 4 groups) codes available.	$173.00

Accessories

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

Headsets

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

Manuals

Model	Description	MSRP
94415196	F70/F80 USB Drive service manual	$Í 0.GG

Microphones

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

Software & Cables

Model	Description	MSRP
CSF70/F1700	Cloning Softwre F70/F80/F1721/F1821/F2721/F282	$72.00
OPC1533	Radio to radio cloning cable between F1721/2721/D series mobiles & F70/80/D portable radios	$88.00
OPC1536	Radio to radio cloning cable between F70/80/D portable radios	$123.00
OPC966U	USB programming cloning cable for radios with 9-pin connector	$168.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	$0.00

Wire Kits

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

F9011 – F9021 Series
P25 Digital & Analog Portables

SPECS _____

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

FEATURES _____

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

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

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

COMES WITH _____

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

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

ENCRYPTION _____

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

SIGNALING _____

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

Configurations

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

Accessories

Model	Description	MSRP
ENGRAVE	Engrave radio	$0.00
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	$17.00
FAS65V	148-160 MHz flexible antenna - standard on F9011	$17.00
FAS67VC	136-174MHz cut antenna - F3400/F7010/F9011	$30.00
FAS81V	136-150MHz antenna for F3400/F7010/F9011	$20.00
GAL 06026	VHF Wideband 136-174MHz Helical Antenna.	$100.00
Batteries		
BP237	Battery case that holds 6 AA alkaline batteries	$39.00
BP254	Li-ion 7.2V 3040mAh (typical capacity), 2900mAh (minimum value) for P25 portables	$155.00
Belt Clips		
AW STUD/SWIVEL KIT	Metal stud that slides on like a belt clip and it's attached to a strong metal swivel belt clip	$21.00
MB115	Standard belt clip for F9011 series	$10.00

Accessories

Model	Description	MSRP
Cables		
OPC515L	DC power cable for single unit rapid chargers	$26.00
OPC656	DC power cable for gang charger	$12.00
Carrying Cases		
LCF9011S SWIVEL	Leather carrying case with a swivel clip for the F9011/9021 radios without a full keypad	$50.00
LCF9011T SWIVEL	Leather carrying case with a swivel clip for the F9011T/9021T radios with a full keypad cutout	$50.00
NCF9011T CLIP	Nylon carrying case with a clip for the F9011T/9021T radios with a full keypad	$30.00
Chargers		
AD110	Adapter cup to install in the BC119N or BC121N for the BP253 or BP254 batteries	$28.00
BC119NS 11	Rapid charger with AD110 installed for F70/80/9011/9021 radios; 100-240V with US style plug	$95.00
BC121NS	6-Unit Charger Kit BC121N + AD110 x 6. Requires BC157S AC adapter.	$470.00
BC157S	AC adapter for gang chargers; 100-240V with US style plug	$150.00
BC157SE	AC adapter for gang chargers; 100-240V with Euro style plug	$130.00
CP23L	12V cigarette lighter cable for use with rapid chargers	$38.00
Encryption & Internal Modules		
INSTALL-MF	Install a component into an LM mobile or portable	$0.00
KA KVL125	KVL unit powered by 9-volt battery	$3,185.00
OPC-IAKVL14	Interface Cable with 14 Pin Connector between P25 portable & KA KVL125	$230.00
UT125 01	AES/DES encryption board with OTAR compliance for F9011/F9511 series	$695.00
UT125 FIPS	FIPS 140-2 AES encryption board with OTAR compliance for F9011/F9511 series	$789.00
UT128	DES encryption for F9011/F9511 radios	$420.00
Headsets		
VS1MC	VOX/PTT case with 14-pin connector. Must use with HS94/HS95/HS97.	$84.00
VS4MC	Cable with heavy duty PTT switch with 14-pin connector. Use with HS94/HS95/HS97.	$150.00
Microphones		
HM184H	14-pin loud waterproof speaker mic (no accessory jack)	$118.00

Accessories

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

Miscellaneous

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

Software & Cables

Model	Description	MSRP
CSF9010/F9510	F9011/9511 programming software	$72.00
OPC1534	Key Loader cable for P25 radio to KVL3000/4000. For portables: requires OPC-1871, RJ45 female to RJ45 female & 8920001690. For mobiles: requires RJ45 female to RJ45 female & 8920001690.	$225.00
OPC1862	USB programming cloning cable for radios with 14-pin connector	$189.00
OPC1870	Radio to radio cloning cable between two 14-pin connector portable radios	$125.00
OPC1871	Radio to radio cloning cable between 14-pin connector portable & mobile radio; used in conjunction with the OPC1534 for encryption key loading on the F7010 portable series	$110.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	$0.00

Trunking

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

F7010 – F7020 – F7040 Series

P25 Conventional & Analog Portables

SPECS _____

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

FEATURES _____

General Features:

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

P25 Digital Features:

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

COMES WITH _____

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

ENCRYPTION _____

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

SIGNALING _____

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

Configurations

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

Accessories

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

Accessories

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

Batteries

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

Belt Clips

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

Cables

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

Carrying Cases

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

Chargers

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

Accessories

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

Encryption & Internal Modules

Model	Description	MSRP
INSTALL-MF	Install a component into an LM mobile or portable	$0.00
ISL-P25AES	AES activation key enables AES in radio (requires UT134 or UT125 FIPS-2)	$360.00
KA KVL125	KVL unit powered by 9-volt battery	$3,185.00
OPC-IAKVL14	Interface Cable with 14 Pin Connector between P25 portable & KA KVL125	$230.00
UT125 FIPS-2	FIPS 140-2 encryption board; requires ISL-P25AES license key to activate AES	$830.00
UT134	AES/DES encryption board; requires ISL code to activate AES	$185.00

Headsets

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

Licenses

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

Microphones

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

Accessories

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

Miscellaneous

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

Software & Cables

Model	Description	MSRP
CSF7510	Programming software for the F7010 & F7510 P25 radios	$100.00
CSOTPM2	P25 over-the-air programming (OTAP) manager software; support only conventional mode	$800.00
IASKF7P	System Owner Master Key (SOMK); USB Dongle and CS-F7500ASK "P25 Advanced System Key (ASK) Manager Application" Note: Available only to P25 trunking system owners and requires the completion of the "P25 System Key Request Form" by the P25 Trunking System Owner	$500.00
IASKF7S	Accessory Advanced System Key (AASK) USB dongle required for programming P25 trunking parameters. Note: shipped unprogrammed; requires P25 trunking system owner to program	$225.00
OPC1534	Key Loader cable for P25 radio to KVL3000/4000. For portables: requires OPC-1871, RJ45 female to RJ45 female & 8920001690. For mobiles: requires RJ45 female to RJ45 female & 8920001690.	$225.00
OPC1870	Radio to radio cloning cable between two 14-pin connector portable radios	$125.00
OPC1871	Radio to radio cloning cable between 14-pin connector portable & mobile radio; used in conjunction with the OPC1534 for encryption key loading on the F7010 portable series	$110.00
OPC2338	14-pin programming cable plus transparent data transfer	$235.00
OPC2362	Handheld to mobile zone copy cable (14-pin to 10-pin DIM)	$100.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	$0.00
RSBC225	Battery management software for the BP-283/284/BP290. Can connect up to 30 BC-225 chargers to it.	$250.00

Accessories

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

Mobiles

F5011 - F6011 Series

Basic Analog Mobiles

SPECS _____

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

FEATURES _____

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

SIGNALING _____

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

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

DTMF decode & autodial: UT-108R

COMES WITH _____

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

ENCRYPTION _____

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

Meets MIL-STD 810

MDC 1200 Compatible

Icom America Inc.

Configurations

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

Accessories

Model	Description	MSRP
ENGRAVE	Engrave radio	$0.00
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

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

Cables

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

Encryption & Internal Modules

Model	Description	MSRP
INSTALL-MF	Install a component into an LM mobile or portable	$0.00
UT109R 21	Non-rolling voice scrambler. Up to 32 codes available. Not compatible with radios using the UT-110.	$105.00
UT110R 21	Rolling voice scrambler. Up to 1020 (255 codes x 4 groups) codes available. Works only in analog mode.	$173.00

Accessories

Model	Description	MSRP
External Speakers		
SP30	20W large external speaker	$110.00
SP35	5W external speaker with 3.5mm speaker jack and 2m cable	$60.00
Manuals		
94415596	F5011 USB Drive service manual	$H.HH
94415697	F6011 USB Drive service manual	$33.33
Microphones		
HM148G	Self grounding microphone for mobile radios	$67.00
HM148T	DMTF mobile microphone	$110.00
HM152	Standard microphone for low/mid range mobile radios	$44.00
HM152T	DTMF modular microphone for LM mobile radios	$90.00
SM26	Desktop microphone with monitor switch for mobile radios	$90.00
Mounting Hardware		
F121 MMB	Mounting bracket F121/F221 F5011/F5021 series	$11.42
MOUNT 1	NMO Permanent Mount, 17ft RG58 cable, PL259 connector	$23.00
MOUNT 2	Trunk Lid Mount/HD, BRKT, 45 DEG CBL, 58A/U PL259	$38.00
MOUNT 3	Black Magnetic Mount - 3 1/4" diameter, 12ft RG58 cable w/PL259 connector	$45.00
Power Supplies		
CONTROL STATION ASSEMBLE	Install mobile into power supply and cabinet to make control station	$0.00
ICT CS120-20AG/IC04	110V power supply and cabinet for control station use for F5011/5021/F5121/F5220	$250.00
ICT IC04 220V	220V power supply and cabinet for control station use for F5011/5021	$275.00
Software & Cables		
CSF3021/F5021/F5011	F3021/5021/5011 series programming software	$72.00
OPC1122U	PC to mobile radio programming cloning cable with USB connector.	$99.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	$0.00

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

Meets
MIL-STD 810

MDC 1200
Compatible

Icom America Inc.

U.S. Land Mobile Retail: Product Catalog

3003.01.21

Configurations

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

Accessories

Model	Description	MSRP
ENGRAVE	Engrave radio	$0.00
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	$18.00
ANTENNA 2	144-174MHz 3dB gain mountable antenna, CHR, 59" high	$43.00
ANTENNA 3	450-470MHz 5dB gain mountable antenna, CHR, 40" high	$55.00
ANTENNA 4	152-162MHz, unity gain antenna, NMO compatible, 21.6". Factory tuned to 157MHz	$20.00
Cables		
OPC1132	DC power cable (9.8ft) with 2-pin T connector.	$45.00
OPC1939	D-Sub 15-pin ACC cable. Connects with a PC, external speaker, external channel control, ignition sense line or vehicle horn	$95.00
OPC2078	D-Sub 25-pin ACC cable. Connects with a PC, external speaker, external channel control, ignition sense line or vehicle horn	$120.00
OPC440	Microphone extension cable (RJ-45 M/F) (16.4ft)	$100.00
OPC647	Microphone extension cable 8.2ft	$75.00
Encryption & Internal Modules		
INSTALL-MF	Install a component into an LM mobile or portable	$0.00
UT109R 21	Non-rolling voice scrambler. Up to 32 codes available. Not compatible with radios using the UT-110.	$105.00
UT110R 21	Rolling voice scrambler. Up to 1020 (255 codes x 4 groups) codes available. Works only in analog mode.	$173.00
External Speakers		
SP30	20W large external speaker	$110.00

Accessories

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

Manuals

Model	Description	MSRP
94415499	F5021 USB Drive service manual	$33.33
94415641	F6021 USB Drive service manual	$33.74

Microphones

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

Mounting Hardware

Model	Description	MSRP
F121 MMB	Mounting bracket F121/F221 F5011/F5021 series	$11.42
MOUNT 1	NMO Permanent Mount, 17ft RG58 cable, PL259 connector	$23.00
MOUNT 2	Trunk Lid Mount/HD, BRKT, 45 DEG CBL, 58A/U PL259	$38.00
MOUNT 3	Black Magnetic Mount - 3 1/4" diameter, 12ft RG58 cable w/PL259 connector	$45.00

Power Supplies

Model	Description	MSRP
CONTROL STATION ASSEMBLE	Install mobile into power supply and cabinet to make control station	$0.00
ICT CS120-20AG/IC04	110V power supply and cabinet for control station use for F5011/5021/F5121/F5220	$250.00
ICT IC04 220V	220V power supply and cabinet for control station use for F5011/5021	$275.00

Software & Cables

Model	Description	MSRP
CSF3021/F5021/F5011	F3021/5021/5011 series programming software	$72.00
OPC1122U	PC to mobile radio programming cloning cable with USB connector.	$99.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	$0.00

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	$635.00
F6121D 67	400-470MHz IDAS mobile	$635.00
F6121D 68	450-512MHz IDAS mobile	$635.00

Accessories

Model	Description	MSRP
ENGRAVE	Engrave radio	$0.00
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	$18.00
ANTENNA 2	144-174MHz 3dB gain mountable antenna, CHR, 59" high	$43.00
ANTENNA 3	450-470MHz 5dB gain mountable antenna, CHR, 40" high	$55.00
ANTENNA 4	152-162MHz, unity gain antenna, NMO compatible, 21.6". Factory tuned to 157MHz	$20.00
Cables		
OPC1132	DC power cable (9.8ft) with 2-pin T connector.	$45.00
OPC1939	D-Sub 15-pin ACC cable. Connects with a PC, external speaker, external channel control, ignition sense line or vehicle horn	$95.00
OPC2078	D-Sub 25-pin ACC cable. Connects with a PC, external speaker, external channel control, ignition sense line or vehicle horn	$120.00
OPC440	Microphone extension cable (RJ-45 M/F) (16.4ft)	$100.00
OPC647	Microphone extension cable 8.2ft	$75.00
External Speakers		
SP30	20W large external speaker	$110.00
SP35	5W external speaker with 3.5mm speaker jack and 2m cable	$60.00
Manuals		
94415608	F5121D USB Drive service manual	$G.Jï
94415695	F6121D USB Drive service manual	$33.33

Accessories

Model	Description	MSRP
Microphones		
HM148G	Self grounding microphone for mobile radios	$67.00
HM148T	DMTF mobile microphone	$110.00
HM152	Standard microphone for low/mid range mobile radios	$44.00
HM152T	DTMF modular microphone for LM mobile radios	$90.00
SM26	Desktop microphone with monitor switch for mobile radios	$90.00
Mounting Hardware		
F121 MMB	Mounting bracket F121/F221 F5011/F5021 series	$11.42
MOUNT 1	NMO Permanent Mount, 17ft RG58 cable, PL259 connector	$23.00
MOUNT 2	Trunk Lid Mount/HD, BRKT, 45 DEG CBL, 58A/U PL259	$38.00
MOUNT 3	Black Magnetic Mount - 3 1/4" diameter, 12ft RG58 cable w/PL259 connector	$45.00
Power Supplies		
CONTROL STATION ASSEMBLE	Install mobile into power supply and cabinet to make control station	$0.00
ICT CS120-20AG/IC04	110V power supply and cabinet for control station use for F5011/5021/F5121/F5220	$250.00
ICT IC04 220V	220V power supply and cabinet for control station use for F5011/5021	$275.00
Software & Cables		
CSF3101D/F5121D	F3101D/F5121D series programming software	$72.00
OPC1122U	PC to mobile radio programming cloning cable with USB connector.	$99.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	$0.00

Icom America Inc.

F5220D - F6220D Series

IDAS Trunking Mobiles

SPECS _____

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

FEATURES _____

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

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

COMES WITH _____

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

Configurations

Model	Description	MSRP
F5220D	136-174MHz IDAS mobile	$665.00
F6220D 11	400-470MHz IDAS mobile	$665.00
F6220D 22	450-512MHz IDAS mobile	$665.00

Accessories

Model	Description	MSRP
ENGRAVE	Engrave radio	$0.00
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	$18.00
ANTENNA 2	144-174MHz 3dB gain mountable antenna, CHR, 59" high	$43.00
ANTENNA 3	450-470MHz 5dB gain mountable antenna, CHR, 40" high	$55.00
ANTENNA 4	152-162MHz, unity gain antenna, NMO compatible, 21.6". Factory tuned to 157MHz	$20.00
Cables		
OPC1132	DC power cable (9.8ft) with 2-pin T connector.	$45.00
OPC1939	D-Sub 15-pin ACC cable. Connects with a PC, external speaker, external channel control, ignition sense line or vehicle horn	$95.00
OPC2078	D-Sub 25-pin ACC cable. Connects with a PC, external speaker, external channel control, ignition sense line or vehicle horn	$120.00
OPC440	Microphone extension cable (RJ-45 M/F) (16.4ft)	$100.00
OPC647	Microphone extension cable 8.2ft	$75.00
External Speakers		
SP30	20W large external speaker	$110.00
SP35	5W external speaker with 3.5mm speaker jack and 2m cable	$60.00
Manuals		
94416649	F6220D USB Drive service manual	$28.97
94416651	F5220D USB Drive service manual	$33.33

Accessories

Model	Description	MSRP
Microphones		
HM148G	Self grounding microphone for mobile radios	$67.00
HM148T	DMTF mobile microphone	$110.00
HM152	Standard microphone for low/mid range mobile radios	$44.00
HM152T	DTMF modular microphone for LM mobile radios	$90.00
SM26	Desktop microphone with monitor switch for mobile radios	$90.00
Mounting Hardware		
F121 MMB	Mounting bracket F121/F221 F5011/F5021 series	$11.42
MOUNT 1	NMO Permanent Mount, 17ft RG58 cable, PL259 connector	$23.00
MOUNT 2	Trunk Lid Mount/HD, BRKT, 45 DEG CBL, 58A/U PL259	$38.00
MOUNT 3	Black Magnetic Mount - 3 1/4" diameter, 12ft RG58 cable w/PL259 connector	$45.00
Power Supplies		
CONTROL STATION ASSEMBLE	Install mobile into power supply and cabinet to make control station	$0.00
ICT CS120-20AG/IC04	110V power supply and cabinet for control station use for F5011/5021/F5121/F5220	$250.00
ICT IC04 220V	220V power supply and cabinet for control station use for F5011/5021	$275.00
Software & Cables		
CSF3210D	Programming software for F3210D/4210D, F3230D/4230D & F5220D/6220D	$72.00
OPC1122U	PC to mobile radio programming cloning cable with USB connector.	$99.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	$0.00

F5061D - F6061D Series

Analog, LTR, or IDAS™ Digital Mobiles

SPECS _____

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

FEATURES _____

General Features

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

Digital Features:

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

SIGNALING _____

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

ENCRYPTION _____

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

COMES WITH _____

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

MULTiTRUNK   IDAS ICOM DIGITAL ADVANCED SYSTEM   Meets MIL-STD 810   MDC 1200 Compatible

Configurations

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

Accessories

Model	Description	MSRP
ENGRAVE	Engrave radio	$0.00
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	$18.00
ANTENNA 2	144-174MHz 3dB gain mountable antenna, CHR, 59" high	$43.00
ANTENNA 3	450-470MHz 5dB gain mountable antenna, CHR, 40" high	$55.00
ANTENNA 4	152-162MHz, unity gain antenna, NMO compatible, 21.6". Factory tuned to 157MHz	$20.00
Cables		
F5061 IGN SENSE CABLE	96" cable with 3A fuse	$15.00
OPC1132	DC power cable (9.8ft) with 2-pin T connector.	$45.00
OPC440	Microphone extension cable (RJ-45 M/F) (16.4ft)	$100.00
OPC647	Microphone extension cable 8.2ft	$75.00
Encryption & Internal Modules		
INSTALL-MF	Install a component into an LM mobile or portable	$0.00
UT109R 21	Non-rolling voice scrambler. Up to 32 codes available. Not compatible with radios using the UT-110.	$105.00
UT110R 21	Rolling voice scrambler. Up to 1020 (255 codes x 4 groups) codes available. Works only in analog mode.	$173.00
UT126H 03	6.25kHz digital module for old PLL versions of the F3161/4161 or F5061/6061 radios	$250.00

Icom America Inc.

Accessories

Model	Description	MSRP
UT-IA100	Audio amp board for F5061D with RR firmware installed (factory install ONLY; install included in price)	$130.00

External Speakers

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

Filters

Model	Description	MSRP
PW LF-1	Noise filter to use with the F5061D with the UT-IA100 already installed.	$63.00

Manuals

Model	Description	MSRP
94415251	F5061/F6061 USB Drive service manual	$28.97

Microphones

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

Mounting Hardware

Model	Description	MSRP
F5061 MMB	Mounting bracket included with the F5061/F6061	$10.00
MOUNT 1	NMO Permanent Mount, 17ft RG58 cable, PL259 connector	$23.00
MOUNT 2	Trunk Lid Mount/HD, BRKT, 45 DEG CBL, 58A/U PL259	$38.00
MOUNT 3	Black Magnetic Mount - 3 1/4" diameter, 12ft RG58 cable w/PL259 connector	$45.00

Power Supplies

Model	Description	MSRP
CONTROL STATION ASSEMBLE	Install mobile into power supply and cabinet to make control station	$0.00
ICT CS120-20AG/IC09	110V power supply and cabinet for control station use for F5061/6061	$250.00
ICT IC09 220V	220V power supply and cabinet for control station use for F5061/6061	$275.00

Remote Mounting

Model	Description	MSRP
OPC607	3m/9.8ft separation cable for remote mounting kits	$57.00

Accessories

Model	Description	MSRP
OPC608	8m/26.2ft separation cable for remote mounting kits	$76.00
OPC609	1.9m/6.2ft separation cable for remote mounting kits	$55.00
OPC726	5m/16.4ft separation cable for remote mounting kits	$65.00
RMK3 01	F5061/6061 bracket & face plate for remote mounting. Separation cable not included	$110.00

Software & Cables

Model	Description	MSRP
CSF3161/F5061	Software to program the F3161/4161 & F5061/6061 radios	$72.00
OPC1122U	PC to mobile radio programming cloning cable with USB connector.	$99.00
OPC1871	Radio to radio cloning cable between 14-pin connector portable & mobile radio; used in conjunction with the OPC1534 for encryption key loading on the F7010 portable series	$110.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	$0.00

F5400D – F6400D Series

VHF UHF Digital Mobile Transceiver

SPECS _____

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

FEATURES _____

General Features

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

Digital Features:

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

COMES WITH _____

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

ANALOG SIGNALING _____

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

ENCRYPTION _____

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

*Future Availability

MULTiTRUNK   IDAS   Meets MIL-STD 810   MDC 1200 Compatible

Configurations

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

Accessories

Model	Description	MSRP
ENGRAVE	Engrave radio	$0.00
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	$55.00
Cables		
IAJB1001	Extension cable junction box for RMK5 or RMK7 that allows installer to connect 2 OPC2367s together for 52ft of cable	$80.00
IAOPC054	Cable to wire the F5400/F6400 to an external speaker	$30.00
IAOPC1003	USB to micro-USB 3ft cable	$12.00
Encryption & Internal Modules		
CSKLD2	Encryption key loader software for F3400/F5400 series	$600.00
ISL-AKAES	AES activation code for F3400/F5400 series	$360.00
UT134	AES/DES encryption board; requires ISL code to activate AES	$185.00
External Speakers		
SP30	20W large external speaker	$110.00
SP35	5W external speaker with 3.5mm speaker jack and 2m cable	$60.00
Microphones		
HM220	Heavy duty microphone (IP54) for the F5400 series	$100.00

Accessories

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

Miscellaneous

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

Power Supplies

CONTROL STATION ASSEMBLE	Install mobile into power supply and cabinet to make control station	$0.00
IAPS12	Power supply with cover for control station (120VAC; 20A)	$215.00
IAPS12E	Power supply with cover for control station (220VAC; 12A) for low and mid power only	$245.00

Remote Mounting

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

Software & Cables

CSF3400D	Programming software for the F3400D/F5400D series	$80.00

Accessories

Model	Description	MSRP
CSOTPM1	Over-the-air programming (OTAP) manager software	$520.00
OPC2362	Handheld to mobile zone copy cable (14-pin to 10-pin DIM)	$100.00
OPC2363	10-pin DIM programming cable	$110.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	$0.00
Trunking		
ISL-UGMTR	Type D trunking license for single and multi-site trunking	$125.00

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

SPECS _____

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

FEATURES _____

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

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

SIGNALING _____

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

COMES WITH _____

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

ENCRYPTION _____

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

Configurations

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

Accessories

Model	Description	MSRP
ENGRAVE	Engrave radio	$0.00
EX2785J01	P25 activation software for F70/80 & F1721/2721 radios	$680.00
EX2785J03	AES activation upgrade	$656.00
EXTWARR611	1 year extended warranty	$40.00
EXTWARR612	2 year extended warranty	$70.00
EXTWARR613	3 year extended warranty	$110.00
EXTWARR811	1 year extended warranty	$65.00
EXTWARR812	2 year extended warranty	$93.00
EXTWARR813	3 year extended warranty	$130.00
Antennas		
ANTENNA 1	118-940MHz 1/4 wave antenna, unity gain, field tunable	$18.00
ANTENNA 2	144-174MHz 3dB gain mountable antenna, CHR, 59" high	$43.00
ANTENNA 3	450-470MHz 5dB gain mountable antenna, CHR, 40" high	$55.00
ANTENNA 4	152-162MHz, unity gain antenna, NMO compatible, 21.6". Factory tuned to 157MHz	$20.00
Cables		
OPC1132	DC power cable (9.8ft) with 2-pin T connector.	$45.00
OPC440	Microphone extension cable (RJ-45 M/F) (16.4ft)	$100.00
OPC617	Accesory cable for external terminal connection	$65.00
OPC647	Microphone extension cable 8.2ft	$75.00
Encryption & Internal Modules		
INSTALL-MF	Install a component into an LM mobile or portable	$0.00
KA KVL125	KVL unit powered by 9-volt battery	$3,185.00
OPC-IAKVL1	Interface Cable with RJ45 Connector between P25 mobiles & KA KVL125	$150.00
UT109 02	Non-rolling voice scrambler. Up to 32 codes available. Not compatible with radios using the UT-110.	$105.00

Accessories

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

External Speakers

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

Manuals

Model	Description	MSRP
94414901	F1721/1821/2721/2821 USB Drive service manual	$Í €.GG

Microphones

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

Mounting Hardware

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

Power Supplies

Model	Description	MSRP
CONTROL STATION ASSEMBLE	Install mobile into power supply and cabinet to make control station	$0.00
ICT CS120-20A/IC06	110V power supply & cabinet for control station use on P25 radios	$250.00
ICT IC06 220V	220V power supply & cabinet for control station use on P25 radios	$255.00

Remote Mounting

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

Accessories

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

Software & Cables

Model	Description	MSRP
CSF70/F1700	Cloning Softwre F70/F80/F1721/F1821/F2721/F282	$72.00
OPC1122U	PC to mobile radio programming cloning cable with USB connector.	$99.00
OPC1532	Radio to radio cloning cable between P25 mobile radios	$42.00
OPC1533	Radio to radio cloning cable between F1721/2721/D series mobiles & F70/80/D portable radios	$88.00
OPC1534	Key Loader cable for P25 radio to KVL3000/4000. For portables: requires OPC-1871, RJ45 female to RJ45 female & 8920001690. For mobiles: requires RJ45 female to RJ45 female & 8920001690.	$225.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	$0.00

F9511 - F9521 Series

P25 Trunking Mobiles

SPECS _____

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

FEATURES _____

General Features:

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

P25 Digital Features:

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

Compliant Standards:

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

COMES WITH _____

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

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

ENCRYPTION _____

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

SIGNALING _____

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

Configurations

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

Accessories

Model	Description	MSRP
ENGRAVE	Engrave radio	$0.00
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	$18.00
ANTENNA 2	144-174MHz 3dB gain mountable antenna, CHR, 59" high	$43.00
ANTENNA 3	450-470MHz 5dB gain mountable antenna, CHR, 40" high	$55.00
ANTENNA 4	152-162MHz, unity gain antenna, NMO compatible, 21.6". Factory tuned to 157MHz	$20.00
Cables		
OPC1132	DC power cable (9.8ft) with 2-pin T connector.	$45.00
OPC1962	DC power cord for F9511HT	$60.00
OPC440	Microphone extension cable (RJ-45 M/F) (16.4ft)	$100.00
OPC647	Microphone extension cable 8.2ft	$75.00
Encryption & Internal Modules		
INSTALL-MF	Install a component into an LM mobile or portable	$0.00
KA KVL125	KVL unit powered by 9-volt battery	$3,185.00
OPC-IAKVL1	Interface Cable with RJ45 Connector between P25 mobiles & KA KVL125	$150.00
UT125 01	AES/DES encryption board with OTAR compliance for F9011/F9511 series	$695.00

Accessories

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

External Speakers

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

Manuals

Model	Description	MSRP
94415436	F9511 USB Drive service manual	$H̶H̶H̶

Microphones

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

Mounting Hardware

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

Power Supplies

Model	Description	MSRP
CONTROL STATION ASSEMBLE	Install mobile into power supply and cabinet to make control station	$0.00
ICT CS120-20A/IC06	110V power supply & cabinet for control station use on P25 radios	$250.00
ICT CS120-30A/IC08	110V power supply and cabinet for control station use for F9511HT	$700.00
ICT IC06 220V	220V power supply & cabinet for control station use on P25 radios	$255.00

Remote Mounting

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

Accessories

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

Software & Cables

Model	Description	MSRP
CSF9010/F9510	F9011/9511 programming software	$72.00
CSRMK4	Programming software for the RMK4	$80.00
OPC1122U	PC to mobile radio programming cloning cable with USB connector.	$99.00
OPC1534	Key Loader cable for P25 radio to KVL3000/4000. For portables: requires OPC-1871, RJ45 female to RJ45 female & 8920001690. For mobiles: requires RJ45 female to RJ45 female & 8920001690.	$225.00
OPC1871	Radio to radio cloning cable between 14-pin connector portable & mobile radio; used in conjunction with the OPC1534 for encryption key loading on the F7010 portable series	$110.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	$0.00

Trunking

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

F7510 – F7520 – F7540 Series

P25 Conventional & Analog Mobiles

SPECS _____

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

FEATURES _____

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

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

COMES WITH _____

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

ENCRYPTION _____

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

SIGNALING _____

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

Icom America Inc.

U.S. Land Mobile Retail: Product Catalog

Configurations

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

Accessories

Model	Description	MSRP
ENGRAVE	Engrave radio	$0.00
EXTWARR811	1 year extended warranty	$65.00
EXTWARR812	2 year extended warranty	$93.00
EXTWARR813	3 year extended warranty	$130.00
ISL-P25W	Enable 25kHz in the F7010/F7510 radios	$5.00
Antennas		
UX241	GPS antenna	$55.00
Cables		
IAOPC1003	USB to micro-USB 3ft cable	$12.00
OPC1132	DC power cable (9.8ft) with 2-pin T connector.	$45.00
Encryption & Internal Modules		
IAOPC1075	F7500 mobile adapter cable to use with Motorola KVL3000/4000/5000 keyloaders. Requires the OPC1534 cable and a RJ45 female-to-female adapter.	$150.00
IAOPC1076	F7500 mobile adapter cable to use with the KVL125 keyloader. Requires the OPC-IAKVL1 cable and a RJ45 female-to-female adapter.	$200.00
INSTALL-MF	Install a component into an LM mobile or portable	$0.00
ISL-P25AES	AES activation key enables AES in radio (requires UT134 or UT125 FIPS-2)	$360.00
KA KVL125	KVL unit powered by 9-volt battery	$3,185.00
UT125 FIPS-2	FIPS 140-2 encryption board; requires ISL-P25AES license key to activate AES	$830.00
UT134	AES/DES encryption board; requires ISL code to activate AES	$185.00
External Speakers		
SP30	20W large external speaker	$110.00

Accessories

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

Headsets

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

Licenses

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

Microphones

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

Power Supplies

Model	Description	MSRP
CONTROL STATION ASSEMBLE	Install mobile into power supply and cabinet to make control station	$0.00
IAPS12	Power supply with cover for control station (120VAC; 20A)	$215.00

Remote Mounting

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

Accessories

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

Software & Cables

Model	Description	MSRP
CSF7510	Programming software for the F7010 & F7510 P25 radios	$100.00
CSOTPM2	P25 over-the-air programming (OTAP) manager software; support only conventional mode	$800.00
IASKF7P	System Owner Master Key (SOMK); USB Dongle and CS-F7500ASK "P25 Advanced System Key (ASK) Manager Application" Note: Available only to P25 trunking system owners and requires the completion of the "P25 System Key Request Form" by the P25 Trunking System Owner	$500.00
IASKF7S	Accessory Advanced System Key (AASK) USB dongle required for programming P25 trunking parameters. Note: shipped unprogrammed; requires P25 trunking system owner to program	$225.00
OPC1534	Key Loader cable for P25 radio to KVL3000/4000. For portables: requires OPC-1871, RJ45 female to RJ45 female & 8920001690. For mobiles: requires RJ45 female to RJ45 female & 8920001690.	$225.00
OPC2362	Handheld to mobile zone copy cable (14-pin to 10-pin DIM)	$100.00
OPC2363	10-pin DIM programming cable	$110.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	$0.00

Trunking

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

Data Radio, HF & RoIPSolutions

F5122DD – F6122DD Series

VHF and UHF Data Transceivers

SPECS _____

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

FEATURES _____

General Features:

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

COMES WITH _____

DC power cable
Mounting bracket kit
Warranty: 2 years

Icom America Inc.

Configurations

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

Accessories

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

F8101

HF Transceiver

SPECS _____

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

FEATURES _____

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

COMES WITH _____

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

Meets MIL-STD 810

IP54
DUST PROTECTION
& SPLASH PROOF

Configurations

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

Accessories

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

Accessories

Model	Description	MSRP
Mounting Hardware		
MB126	Mounting bracket for F8101	$300.00
Remote Mounting		
OPC607	3m/9.8ft separation cable for remote mounting kits	$57.00
OPC608	8m/26.2ft separation cable for remote mounting kits	$76.00
OPC609	1.9m/6.2ft separation cable for remote mounting kits	$55.00
OPC726	5m/16.4ft separation cable for remote mounting kits	$65.00
RMK6	Remote mount kit for the F8101. Separation cable sold separately.	$360.00
Software & Cables		
CSF8101	Programming software. Use a generic USB "A" to "B" cable to program radio.	$80.00
OPC2204	F8101 Cloning cable	$200.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	$0.00

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

Accessories

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

Accessories

Model	Description	MSRP
Software & Cables		
CSF3021/F5021/F5011	F3021/5021/5011 series programming software	$72.00
OPC1122U	PC to mobile radio programming cloning cable with USB connector.	$99.00
PROG-IAS	Icom to program repeaters with provided icf file or add in basic frequencies	$0.00

CY5000 – CY6000 Repeaters
All In One IDAS™ Digital & Analog Repeater

SPECS _____

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

SPECS & FEATURES _____

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

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

SIGNALING _____

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

ENCRYPTION _____

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

WARRANTY _____

1-Year

MULTITRUNK   IDAS

Configurations

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

Accessories

Model	Description	MSRP
EXTWARRPT1	1 year extended warranty for a total 3 years	$180.00
EXTWARRPT2	2 year extended warranty for a total 4 years	$325.00
EXTWARRPT3	3 year extended warranty for a total 5 years	$465.00
INSTALL-IAS	Install a component into a repeater or an item into a cabinet	$0.00
Cabinets		
IASMNT1030	30" (17RU) locking indoor cabinet	$1,165.00
IASMNT1046	46" (26RU) locking indoor cabinet	$2,280.00
IASMNT1060	60" (34RU) locking indoor cabinet	$3,190.00
Duplexers		
IASDUP1001	136-148 6 cavity 50W internal duplexer, 3MHz TX-RX separation	$525.00
IASDUP1002	148-160 6 cavity 50W internal duplexer, 3MHz TX-RX separation	$525.00
IASDUP1003	160-174 6 cavity 50W internal duplexer, 3MHz TX-RX separation	$525.00
IASDUP1004	136-148 6 cavity 50W internal duplexer, 5MHz TX-RX separation	$525.00
IASDUP1005	148-160 6 cavity 50W internal duplexer, 5MHz TX-RX separation	$525.00
IASDUP1006	160-174 6 cavity 50W internal duplexer, 5MHz TX-RX separation	$525.00
IASDUP1007	136-148 6 cavity 50W internal duplexer, 10MHz TX-RX separation	$525.00
IASDUP1008	148-160 6 cavity 50W internal duplexer, 10MHz TX-RX separation	$525.00
IASDUP1009	160-174 6 cavity 50W internal duplexer, 10MHz TX-RX separation	$525.00
IASDUP1010	144-190MHz 6 cavity 100W duplexer with 3MHz minimum TX-RX separation	$2,030.00
IASDUP1012	144-174MHz 6 cavity, 350W duplexer, 400kHz TX-RX separation; 32" tall	$4,400.00
IASDUP1015	152-175MHz 50W internal duplexer (6-15MHz minimum separation)	$510.00
IASDUP1035	400-512 4 cavity 100W duplexer, 3MHz TX-RX separation	$1,895.00
IASDUP1036	400-440 6 cavity 50W internal duplexer, 5MHz TX-RX separation	$525.00

Icom America Inc.

Accessories

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

IP Linking

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

Manuals

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

Mounting hardware

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

Power Amplifiers

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

Power Equipment & Rack Mounting

Model	Description	MSRP
IASDP1001	DC distribution panel 12/24VDC with remote power control and SNMP. It can manage up to 12 loads.	$1,825.00

Accessories

Model	Description	MSRP
IASIV1300	Site inverter 300W 12/24VDC; 1RU 19" rack mountable	$675.00
IASMNT1105	Battery charger rackmount kit holds 1 to 2 chargers	$165.00

Pre-Selectors

Model	Description	MSRP
IASPR1001	136-150MHz 4 cavity pre-selector (assembly kit required with FR5000)	$700.00
IASPR1002	150-174MHz 4 cavity pre-selector (assembly kit required with FR5000)	$700.00
IASPR1010	400-440MHz 4 cavity pre-selector (assembly kit required with FR6000)	$700.00
IASPR1011	440-520MHz 4 cavity pre-selector (assembly kit required with FR6000)	$700.00

Racks

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

Remote Communication

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

Software & Cables

Model	Description	MSRP
CSFR5000	FR5000/6000 programming software	$72.00
IASTUN1001	Icom to tune your system products	$0.00
OPC1122U	PC to mobile radio programming cloning cable with USB connector.	$99.00
PROG-IAS	Icom to program repeaters with provided icf file or add in basic frequencies	$0.00
RSMGR1	Remote system manager software for IDAS MultiTrunk	$4,995.00

Trunking/Network Controller

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

FR5000-FR6000 Series (Discontinued–Limited Availability)

IDAS Digital & Analog Repeater

SPECS_____

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

FEATURES _____

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

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

SIGNALING _____

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

ENCRYPTION _____

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

WARRANTY _____

2-Year

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

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

MULTITRUNK · IDAS

Configurations

Model	Description	MSRP
FR6000 14	400-470MHz analog/digital IDAS repeater (power supply not included)	$2,165.00
FR6000 01 2CH KIT	400-470MHz 2 channel conventional system (2 repeaters, 2 external power supplies)	$3,130.00
FR6000 01 UR KIT	400-470MHz, 2 channel analog/digital repeater (FR6000+URFR6000 installed)	$2,695.00
URFR5000 63	136-174MHz analog/digital repeater channel module	$1,205.00
URFR6000 63	400-470MHz repeater module	$1,205.00

Accessories

Model	Description	MSRP
EXTWARRPT1	1 year extended warranty for a total 3 years	$180.00
EXTWARRPT2	2 year extended warranty for a total 4 years	$325.00
EXTWARRPT3	3 year extended warranty for a total 5 years	$465.00
INSTALL-IAS	Install a component into a repeater or an item into a cabinet	$0.00
Antenna Switches		
IASANTSW1	Single antenna switch for base station operation	$580.00
IASANTSW2	Dual antenna switch for base station operation	$1,019.00
Cabinets		
IASMNT1030	30" (17RU) locking indoor cabinet	$1,165.00
IASMNT1046	46" (26RU) locking indoor cabinet	$2,280.00
IASMNT1060	60" (34RU) locking indoor cabinet	$3,190.00
Cables		
OPC2390	Cable connecting VEPG4 to FR5000/6000	$200.00
Duplexers		
IASDUP1001	136-148 6 cavity 50W internal duplexer, 3MHz TX-RX separation	$525.00
IASDUP1002	148-160 6 cavity 50W internal duplexer, 3MHz TX-RX separation	$525.00
IASDUP1003	160-174 6 cavity 50W internal duplexer, 3MHz TX-RX separation	$525.00
IASDUP1004	136-148 6 cavity 50W internal duplexer, 5MHz TX-RX separation	$525.00
IASDUP1005	148-160 6 cavity 50W internal duplexer, 5MHz TX-RX separation	$525.00
IASDUP1006	160-174 6 cavity 50W internal duplexer, 5MHz TX-RX separation	$525.00

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

Encryption & Internal Modules

UT109R 21	Non-rolling voice scrambler. Up to 32 codes available. Not compatible with radios using the UT-110.	$105.00
UT110R 21	Rolling voice scrambler. Up to 1020 (255 codes x 4 groups) codes available. Works only in analog mode.	$173.00

External Speakers

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

IP Linking

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

Manuals

94415355	FR6000 USB Drive service manual	$33.33

Accessories

Model	Description	MSRP
94415514	FR5000 USB Drive service manual	$33.33

Microphones

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

Mounting hardware

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

Power Amplifiers

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

Power Equipment & Rack Mounting

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

Pre-Selectors

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

Accessories

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

Racks

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

Remote Communication

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

Repeaters

Model	Description	MSRP
URFR6000 63	400-470MHz repeater module	$1,205.00

Software & Cables

Model	Description	MSRP
CSFR5000	FR5000/6000 programming software	$72.00
IASTUN1001	Icom to tune your system products	$0.00
OPC1122U	PC to mobile radio programming cloning cable with USB connector.	$99.00
PROG-IAS	Icom to program repeaters with provided icf file or add in basic frequencies	$0.00
RSMGR1	Remote system manager software for IDAS MultiTrunk	$4,995.00

Trunking/Network Controller

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

FR5300 - FR6300 Series

IDAS Repeaters

SPECS _____

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

FEATURES _____

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

Digital Features:

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

SIGNALING_____

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

WARRANTY _____

2-Year

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

Configurations

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

Accessories

Model	Description	MSRP
EXTWARRPT1	1 year extended warranty for a total 3 years	$180.00
EXTWARRPT2	2 year extended warranty for a total 4 years	$325.00
EXTWARRPT3	3 year extended warranty for a total 5 years	$465.00
INSTALL-IAS	Install a component into a repeater or an item into a cabinet	$0.00
Antennas		
UX241	GPS antenna	$55.00
Cabinets		
IASMNT1030	30" (17RU) locking indoor cabinet	$1,165.00
IASMNT1046	46" (26RU) locking indoor cabinet	$2,280.00
IASMNT1060	60" (34RU) locking indoor cabinet	$3,190.00
Cables		
OPC2390	Cable connecting VEPG4 to FR5000/6000	$200.00
Duplexers		
IASDUP1001	136-148 6 cavity 50W internal duplexer, 3MHz TX-RX separation	$525.00
IASDUP1002	148-160 6 cavity 50W internal duplexer, 3MHz TX-RX separation	$525.00
IASDUP1003	160-174 6 cavity 50W internal duplexer, 3MHz TX-RX separation	$525.00
IASDUP1004	136-148 6 cavity 50W internal duplexer, 5MHz TX-RX separation	$525.00
IASDUP1005	148-160 6 cavity 50W internal duplexer, 5MHz TX-RX separation	$525.00
IASDUP1006	160-174 6 cavity 50W internal duplexer, 5MHz TX-RX separation	$525.00

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

External Speakers

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

IP Linking

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

Microphones

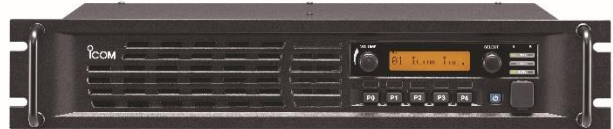|		
HM152	Standard microphone for low/mid range mobile radios	$44.00
SM26	Desktop microphone with monitor switch for mobile radios	$90.00

Accessories

Model	Description	MSRP
Power Equipment & Rack Mounting		
IASMNT1102	19" 2RU rack mount tray for 20A power supply; holds up to 2 units (power supplies not screwed into tray)	$175.00
IASPS1220	20A power supply 13.8VDC; requires tray for use in rack (IASMNT1102)	$200.00
Racks		
IASMNT1028	28x19, 16U desktop 2-post rack; 350lb weight capacity	$395.00
IASMNT1042	42x19 welded steel 2-post rack; 24U, 1,500lb weight capacity	$750.00
IASMNT1063	63x19 welded steel 2-post rack; 63U, 1,500lb weight capacity	$995.00
IASMNT1070	70x19 welded steel 2-post rack; 40U, 1,500lb weight capacity	$1,025.00
Remote Communication		
CT23 01	PTT microphone adapter to use SM-26 or HM-152 with a PC. Requires BC-147S.	$120.00
CT24	Digital voice converter (supplied with RCFS10 and works with VEPG3)	$1,200.00
RCFS10	Remote Communicator software + CT-24 (digital voice converter unit - each IDAS system requires 1 CT-24)	$1,820.00
Repeaters		
URFR5300	136-174MHz analog/digital IDAS repeater channel module	$1,415.00
URFR6300H	450-512MHz Repeater module	$1,415.00
URFR6300L	400-470MHz Repeater module	$1,415.00
Software & Cables		
PROG-IAS	Icom to program repeaters with provided icf file or add in basic frequencies	$0.00
Trunking/Network Controller		
UCFR5300	Trunking/Network controller board (1 per repeater)	$545.00

FR5200H - FR6200H Series

IDAS Digital & Analog 50W 100% Duty Cycle Repeater

SPECS _____

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

FEATURES _____

General Features

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

Digital Features:

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

SIGNALING _____

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

ENCRYPTION_____

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

WARRANTY _____

2-Year

MULTITRUNK   IDAS
ICOM DIGITAL ADVANCED SYSTEM

Configurations

Model	Description	MSRP
FR5200H 51	136-174MHz 50W analog, IDAS repeater 100% duty cycle	$3,780.00
FR6200H 51	400-470MHz 50W analog, IDAS repeater 100% duty cycle	$0.00
FR6200H 61	450-512MHz 50W analog, IDAS repeater 100% duty cycle	$3,780.00

Accessories

Model	Description	MSRP
INSTALL-IAS	Install a component into a repeater or an item into a cabinet	$0.00
Antenna Switches		
IASANTSW1	Single antenna switch for base station operation	$580.00
IASANTSW2	Dual antenna switch for base station operation	$1,019.00
Cabinets		
IASMNT1030	30" (17RU) locking indoor cabinet	$1,165.00
IASMNT1046	46" (26RU) locking indoor cabinet	$2,280.00
IASMNT1060	60" (34RU) locking indoor cabinet	$3,190.00
Duplexers		
IASDUP1010	144-190MHz 6 cavity 100W duplexer with 3MHz minimum TX-RX separation	$2,030.00
IASDUP1012	144-174MHz 6 cavity, 350W duplexer, 400kHz TX-RX separation; 32" tall	$4,400.00
IASDUP1035	400-512 4 cavity 100W duplexer, 3MHz TX-RX separation	$1,895.00
IASDUP1044	440-512 6 cavity 100W duplexer with 3MHz minimum TX-RX separation	$2,050.00
External Speakers		
SP35	5W external speaker with 3.5mm speaker jack and 2m cable	$60.00
IP Linking		
CFFR5000 02	Multi-site (conventional only) IP repeater link card (requires UC-FR5000 or UCFR5300 board)	$65.00
CFFR5000MT	Multi-site (conventional & trunking) IP repeater link card (requires UC-FR5000 or UCFR5300 board)	$1,375.00
Microphones		
HM152	Standard microphone for low/mid range mobile radios	$44.00
SM26	Desktop microphone with monitor switch for mobile radios	$90.00

Accessories

Model	Description	MSRP
Miscellaneous		
8930091121	Repeater support bracket (FR9010 & FR5200H)	$87.23
Power Amplifiers		
IASE2PA506	440-470MHz 100W 2RU power amplifier; 19" rack mountable; requires 13.8V power supply	$3,800.00
IASE2PA507	470-490MHz 100W 2RU power amplifier; 19" rack mountable; requires 13.8V power supply	$3,800.00
IASE2PA511	470-490MHz 100W 2RU additional power amplifier (fits next to IASE2PA507 in chassis)	$3,400.00
IASPA510	144-154MHz 100W out, 2-5W in, 4RU power amplifier; 19" rack mountable	$2,400.00
IASPA520	152-162MHz 100W out, 2-5W in, 4RU power amplifier; 19" rack mountable	$2,400.00
Power Equipment & Rack Mounting		
IASDP1001	DC distribution panel 12/24VDC with remote power control and SNMP. It can manage up to 12 loads.	$1,825.00
IASIV1300	Site inverter 300W 12/24VDC; 1RU 19" rack mountable	$675.00
IASMNT1100	20A power supply rackmount kit; holds 1 or 2 power supplies	$27.00
IASMNT1102	19" 2RU rack mount tray for 20A power supply; holds up to 2 units (power supplies not screwed into tray)	$175.00
IASMNT1105	Battery charger rackmount kit holds 1 to 2 chargers	$165.00
IASPS1022	12v/30A power supply/battery charger - 1RU rack mountable with IASMNT1105	$830.00
IASPS1220	20A power supply 13.8VDC; requires tray for use in rack (IASMNT1102)	$200.00
Racks		
IASMNT1028	28x19, 16U desktop 2-post rack; 350lb weight capacity	$395.00
IASMNT1042	42x19 welded steel 2-post rack; 24U, 1,500lb weight capacity	$750.00
IASMNT1063	63x19 welded steel 2-post rack; 63U, 1,500lb weight capacity	$995.00
IASMNT1070	70x19 welded steel 2-post rack; 40U, 1,500lb weight capacity	$1,025.00
Software & Cables		
CSFR5000	FR5000/6000 programming software	$72.00
OPC1122U	PC to mobile radio programming cloning cable with USB connector.	$99.00
PROG-IAS	Icom to program repeaters with provided icf file or add in basic frequencies	$0.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	$0.00

Accessories

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

FR9010 – FR9020 Series

110W Full Duty Cycle P25 Digital Repeater

SPECS _____

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

FEATURES _____

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

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

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

Comes With _____

DC power cable connector
2-Year warranty

Configurations

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

Accessories

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

Icom America Inc.

Accessories

Model	Description	MSRP
Power Amplifiers		
IASE2PA506	440-470MHz 100W 2RU power amplifier; 19" rack mountable; requires 13.8V power supply	$3,800.00
IASE2PA507	470-490MHz 100W 2RU power amplifier; 19" rack mountable; requires 13.8V power supply	$3,800.00
IASE2PA511	470-490MHz 100W 2RU additional power amplifier (fits next to IASE2PA507 in chassis)	$3,400.00
IASPA510	144-154MHz 100W out, 2-5W in, 4RU power amplifier; 19" rack mountable	$2,400.00
IASPA520	152-162MHz 100W out, 2-5W in, 4RU power amplifier; 19" rack mountable	$2,400.00
Power Equipment & Rack Mounting		
IASDP1001	DC distribution panel 12/24VDC with remote power control and SNMP. It can manage up to 12 loads.	$1,825.00
IASIV1300	Site inverter 300W 12/24VDC; 1RU 19" rack mountable	$675.00
IASMNT1102	19" 2RU rack mount tray for 20A power supply; holds up to 2 units (power supplies not screwed into tray)	$175.00
IASMNT1105	Battery charger rackmount kit holds 1 to 2 chargers	$165.00
IASPS1022	12v/30A power supply/battery charger - 1RU rack mountable with IASMNT1105	$830.00
IASPS1220	20A power supply 13.8VDC; requires tray for use in rack (IASMNT1102)	$200.00
Racks		
IASMNT1028	28x19, 16U desktop 2-post rack; 350lb weight capacity	$395.00
IASMNT1042	42x19 welded steel 2-post rack; 24U, 1,500lb weight capacity	$750.00
IASMNT1063	63x19 welded steel 2-post rack; 63U, 1,500lb weight capacity	$995.00
IASMNT1070	70x19 welded steel 2-post rack; 40U, 1,500lb weight capacity	$1,025.00
Software & Cables		
CSFR9010	Programming software for the FR9010/9020	$72.00
OPC-9000	Programming cable for the FR9010/9020 repeaters	$270.00
PROG-IAS	Icom to program repeaters with provided icf file or add in basic frequencies	$0.00

RF Technologies – Eclipse2 Series

Software-Defined P25 Repeater / Analog Base Station

SPECS _____

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

FEATURES _____

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

SIGNALING _____

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

COMES WITH _____

Owner's manual
Warranty: 1 year

Configurations

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

Accessories

Model	Description	MSRP
Antenna Switches		
IAS ANTRLY-D	1RU dual antenna switch for FR9010/9020	$945.00
IAS ANTRLY-S	1RU single antenna switch for FR9010/9020	$500.00
Cabinets		
IASMNT1030	30" (17RU) locking indoor cabinet	$1,165.00
IASMNT1046	46" (26RU) locking indoor cabinet	$2,280.00
IASMNT1060	60" (34RU) locking indoor cabinet	$3,190.00
Duplexers		
IASDUP1010	144-190MHz 6 cavity 100W duplexer with 3MHz minimum TX-RX separation	$2,030.00
IASDUP1012	144-174MHz 6 cavity, 350W duplexer, 400kHz TX-RX separation; 32" tall	$4,400.00
IASDUP1035	400-512 4 cavity 100W duplexer, 3MHz TX-RX separation	$1,895.00
IASDUP1044	440-512 6 cavity 100W duplexer with 3MHz minimum TX-RX separation	$2,050.00
Power Equipment & Rack Mounting		
IASDP1001	DC distribution panel 12/24VDC with remote power control and SNMP. It can manage up to 12 loads.	$1,825.00
IASIV1300	Site inverter 300W 12/24VDC; 1RU 19" rack mountable	$675.00
Racks		
IASMNT1028	28x19, 16U desktop 2-post rack; 350lb weight capacity	$395.00
IASMNT1042	42x19 welded steel 2-post rack; 24U, 1,500lb weight capacity	$750.00
IASMNT1063	63x19 welded steel 2-post rack; 63U, 1,500lb weight capacity	$995.00
IASMNT1070	70x19 welded steel 2-post rack; 40U, 1,500lb weight capacity	$1,025.00
Software & Cables		
IASTUN1001	Icom to tune your system products	$0.00

Accessories

Model	Description	MSRP
PROG-IAS	Icom to program repeaters with provided icf file or add in basic frequencies	$0.00

Discontinued Radios

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
ENGRAVE	Engrave radio	$0.00
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		
FASC25U	400-430MHz antenna J type connector	$13.00
FASC25V	136-150MHz antenna J type connector	$13.00
FASC26US	400-450MHz stubby antenna J type connector	$14.50
FASC26VS	136-144MHz stubby antenna J type connector	$14.50
FASC27VS	142-150MHz stubby antenna J type connector	$14.50
FASC28V	142-162MHz antenna J type connector	$13.00
FASC29V	160-174MHz antenna J type connector	$13.00
FASC55V	146-174MHz standard antenna J type connector	$13.00
FASC56VS	150-160MHz stubby antenna J type connector	$14.50
FASC57U	430-470MHz standard antenna (red ring) J type connector	$13.00
FASC57VS	160-174MHz stubby antenna J type connector	$14.50
FASC61UC	380-520MHz cut antenna J type connector	$19.00
FASC61VC	136-174MHz cut antenna for the specific frequency desired	$19.00
FASC62V	150-160MHz high gain antenna J type connector	$55.00
FASC63V	155-165MHz high gain antenna J type connector	$55.00
FASC72U	470-512MHz antenna J type connector	$13.00
FASC73US	450-470MHz stubby antenna for J type connector	$14.50
LAIRD EXH 160 MXI	155-160MHz antenna	$26.00
LARSEN SPHL10160IC	151-163MHz helical ¼ wave antenna center tuned to 157MHz	$26.00

Icom America Inc.

U.S. Land Mobile Retail: Product Catalog

3003.01.21

Accessories

Model	Description	MSRP
Batteries		
BP232H	Li-ion 7.4V 2300mAh (typical capacity), 2250mAh (minimum value)	$75.00
BP240	Battery case that holds 6 AAA alkaline batteries (1W output power)	$35.00
Belt Clips		
AW STUD/SWIVEL KIT	Metal stud that slides on like a belt clip and it's attached to a strong metal swivel belt clip	$21.00
AW SWIVEL	Swivel clip used with the AW Stud/Swivel Kit.	$13.00
MB93	Swivel belt clip	$11.00
MB94	Alligator belt clip	$10.50
MB94R	Alligator belt clip with long clip that angles the antenna/top of radio off the body	$18.00
MB96N	Swivel belt hanger to use with standard belt clip	$37.00
Cables		
OPC515L	DC power cable for single unit rapid chargers	$26.00
OPC656	DC power cable for gang charger	$12.00
Carrying Cases		
LCF3061S SWIVEL	Leather case for the F3161/4161 with a swivel clip	$50.00
LCF3061T SWIVEL	Leather case for the F3161/4161 with a full keypad cutout with a swivel belt clip	$50.00
NCF3061S LOOP	Nylon case with a loop for the F3161S/4161S radios without a DTMF cutout	$25.00
NCF3061T LOOP	Nylon carrying case with a loop for the F3161T/4161T radios with a full keypad	$25.00
Chargers		
AD106	Adapter cup for the BC119N/BC121N for the radios with the BP232N/H battery	$28.00
AD122	Adapter cup that fits into the BC197 22/23 for the BP232N/H batteries	$23.00
BC147SA	AC adapter for trickle chargers; 100-240V with a US style plug	$15.00
BC147SE 15	AC adapter for trickle chargers; 230V with a Euro style plug	$16.00
BC157S	AC adapter for gang chargers; 100-240V with US style plug	$150.00
BC157SE	AC adapter for gang chargers; 100-240V with Euro style plug	$130.00
BC160	Rapid charger for radios with the BP230/231/232 battery; 100-240V with a US style plug	$70.00
BC160E	Rapid charger for radios with the BP230/231/232 battery; 100-240V with a Euro style plug	$70.00

Accessories

Model	Description	MSRP
BC197 22	Six unit charger for radios with the BP232N/H Li-Ion battery (includes AC adapter and cups installed); 100-240V with US style plug	$510.00
BC197 23	Six unit charger for radios with the BP232N/H Li-Ion battery (includes AC adapter and cups installed); 100-240V with Euro style plug	$510.00
CP23L	12V cigarette lighter cable for use with rapid chargers	$38.00
IA-BC171	Heavy duty vehicular charger for the F3161/F4161 series	$375.00
MB130	Vehicle charger bracket holds rapid charger; requires cigarette lighter cable	$83.00
SS BC61	Mobile rapid charger with cigarette adapter for the F3161 & F3261 series	$215.00

Encryption & Internal Modules

Model	Description	MSRP
INSTALL-MF	Install a component into an LM mobile or portable	$0.00
UT109R 21	Non-rolling voice scrambler. Up to 32 codes available. Not compatible with radios using the UT-110.	$105.00
UT110R 21	Rolling voice scrambler. Up to 1020 (255 codes x 4 groups) codes available. Works only in analog mode.	$173.00
UT126H 03	6.25kHz digital module for old PLL versions of the F3161/4161 or F5061/6061 radios	$250.00

Headsets

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

Manuals

Model	Description	MSRP
94415081	F3161/4161/D & F3061/4061 USB Drive service manual	$33.33

Microphones

Model	Description	MSRP
HM131SC	Lightweight speaker microphone with earphone jack (9-pin)	$79.00
HM159SC LG	Large speaker microphone with earphone jack and metal alligator clip (9-pin, stereo mic/mono speaker)	$92.00
HM169	Waterproof speaker mic (9-pin)	$105.00
HM169 IS	Intrinscially safe waterproof speaker mic (9-pin)	$145.00
IMPACT HD3-I5	Heavy duty use speaker mic with 3.5mm accessory jack (9-pin)	$76.00

Accessories

Model	Description	MSRP
SP-AT1	Single pin listen only w/QD acoustic tube (9", 3.5mm L-shape)	$31.50

Software & Cables

Model	Description	MSRP
CSF3161/F5061	Software to program the F3161/4161 & F5061/6061 radios	$72.00
OPC966U	USB programming cloning cable for radios with 9-pin connector	$168.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	$0.00

Wire Kits

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

F5061 - F6061 Series

F5061-F6061 are no longer available from Icom. Icom does still sell the below compatible accessories.

Accessories

Model	Description	MSRP
ENGRAVE	Engrave radio	$0.00
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	$18.00
ANTENNA 2	144-174MHz 3dB gain mountable antenna, CHR, 59" high	$43.00
ANTENNA 3	450-470MHz 5dB gain mountable antenna, CHR, 40" high	$55.00
ANTENNA 4	152-162MHz, unity gain antenna, NMO compatible, 21.6". Factory tuned to 157MHz	$20.00
Cables		
F5061 IGN SENSE CABLE	96" cable with 3A fuse	$15.00
OPC1132	DC power cable (9.8ft) with 2-pin T connector.	$45.00
OPC440	Microphone extension cable (RJ-45 M/F) (16.4ft)	$100.00
OPC647	Microphone extension cable 8.2ft	$75.00
Encryption & Internal Modules		
INSTALL-MF	Install a component into an LM mobile or portable	$0.00
UT109R 21	Non-rolling voice scrambler. Up to 32 codes available. Not compatible with radios using the UT-110.	$105.00
UT110R 21	Rolling voice scrambler. Up to 1020 (255 codes x 4 groups) codes available. Works only in analog mode.	$173.00
UT126H 03	6.25kHz digital module for old PLL versions of the F3161/4161 or F5061/6061 radios	$250.00
External Speakers		
SP30	20W large external speaker	$110.00

Accessories

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

Manuals

Model	Description	MSRP
94415251	F5061/F6061 USB Drive service manual	$28.97

Microphones

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

Mounting Hardware

Model	Description	MSRP
F5061 MMB	Mounting bracket included with the F5061/F6061	$10.00
MOUNT 1	NMO Permanent Mount, 17ft RG58 cable, PL259 connector	$23.00
MOUNT 2	Trunk Lid Mount/HD, BRKT, 45 DEG CBL, 58A/U PL259	$38.00
MOUNT 3	Black Magnetic Mount - 3 1/4" diameter, 12ft RG58 cable w/PL259 connector	$45.00

Power Supplies

Model	Description	MSRP
CONTROL STATION ASSEMBLE	Install mobile into power supply and cabinet to make control station	$0.00
ICT CS120-20AG/IC09	110V power supply and cabinet for control station use for F5061/6061	$250.00
ICT IC09 220V	220V power supply and cabinet for control station use for F5061/6061	$275.00

Remote Mounting

Model	Description	MSRP
OPC607	3m/9.8ft separation cable for remote mounting kits	$57.00
OPC608	8m/26.2ft separation cable for remote mounting kits	$76.00
OPC609	1.9m/6.2ft separation cable for remote mounting kits	$55.00
OPC726	5m/16.4ft separation cable for remote mounting kits	$65.00
RMK3 01	F5061/6061 bracket & face plate for remote mounting. Separation cable not included	$110.00

Software & Cables

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

Accessories

Model	Description	MSRP
OPC1122U	PC to mobile radio programming cloning cable with USB connector.	$99.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	$0.00

F5360D – F6360D Series

F5360D-F6360D are no longer available from Icom. Icom does still sell the below compatible accessories.

Accessories

Model	Description	MSRP
EXTWARR611	1 year extended warranty	$40.00
EXTWARR612	2 year extended warranty	$70.00
EXTWARR613	3 year extended warranty	$110.00
Antennas		
ANTENNA 1	118-940MHz 1/4 wave antenna, unity gain, field tunable	$18.00
ANTENNA 2	144-174MHz 3dB gain mountable antenna, CHR, 59" high	$43.00
ANTENNA 3	450-470MHz 5dB gain mountable antenna, CHR, 40" high	$55.00
ANTENNA 4	152-162MHz, unity gain antenna, NMO compatible, 21.6". Factory tuned to 157MHz	$20.00
Cables		
OPC1132	DC power cable (9.8ft) with 2-pin T connector.	$45.00
OPC440	Microphone extension cable (RJ-45 M/F) (16.4ft)	$100.00
OPC647	Microphone extension cable 8.2ft	$75.00
External Speakers		
SP30	20W large external speaker	$110.00
SP35	5W external speaker with 3.5mm speaker jack and 2m cable	$60.00
Microphones		
HM148G	Self grounding microphone for mobile radios	$67.00
HM148T	DMTF mobile microphone	$110.00
HM152	Standard microphone for low/mid range mobile radios	$44.00
HM152T	DTMF modular microphone for LM mobile radios	$90.00
SM26	Desktop microphone with monitor switch for mobile radios	$90.00
Mounting Hardware		
F5061 MMB	Mounting bracket included with the F5061/F6061	$10.00
MOUNT 1	NMO Permanent Mount, 17ft RG58 cable, PL259 connector	$23.00

Icom America Inc.

Accessories

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

Power Supplies

Model	Description	MSRP
CONTROL STATION ASSEMBLE	Install mobile into power supply and cabinet to make control station	$0.00
ICT CS120-20AG/IC09	110V power supply and cabinet for control station use for F5061/6061	$250.00
ICT IC09 220V	220V power supply and cabinet for control station use for F5061/6061	$275.00

Software & Cables

Model	Description	MSRP
CSF3360D/F5360D	Programming software for the F3360D & F5360D series	$90.00
OPC1122U	PC to mobile radio programming cloning cable with USB connector.	$99.00
OPC1871	Radio to radio cloning cable between 14-pin connector portable & mobile radio; used in conjunction with the OPC1534 for encryption key loading on the F7010 portable series	$110.00
OPC2344	Modular connector programming cable plus Type-C NXDN transparent data transfer for F5360D/4360D	$135.00
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels	$0.00

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	$20.00
CEN EXD 400 SMI	400-420MHz stubby antenna for the F60/V portable radios	$14.50
CEN EXD 450 SMI	450-470MHz stubby antenna for F60/V portable radios	$20.00
CEN EXS 150 SMI	150-160MHz stubby antenna for F50/V & M88 handheld radios	$16.00
FAS24V	136-150MHz antenna for the F50/V handhelds (Blue ring)	$12.50
FAS27U	400-470MHz antenna for the F60/V (green ring)	$13.00
FAS56U	450-520MHz antenna for F60/V (red ring)	$13.00
FAS57US	450-490MHz stubby antenna for F60/V portable radios (red ring)	$17.00
FAS59V	150-174MHz standard antenna for the F50 & M88 (red ring)	$15.00
FAS62VS	150-162MHz stubby antenna for F50/V (Red ring)	$17.00
FAS63VS	160-174MHz stubby antenna for F50/V (green ring)	$16.00
FAS74U	490-520MHz antenna for F60/V (blue ring)	$12.50
Batteries		
BP226	Battery case holds 5 AA alkaline batteries for the F50/F60 & M88	$50.00
BP227	Li-ion 7.2V 1950mAh (typical capacity), 1850mAh (minimum value); waterproof	$130.00
Belt Clips		
MB86	Swivel belt clip that screws into back of radio	$12.00
MB96N	Swivel belt hanger to use with standard belt clip	$37.00
MB98	Standard belt clip for the F50/60 & M88	$13.00
Cables		
OPC515L	DC power cable for single unit rapid chargers	$26.00
OPC656	DC power cable for gang charger	$12.00

Accessories

Model	Description	MSRP
Chargers		
AD100	Adapter cup to install in the BC119N or BC121N for the F50/60 & M88 radios	$27.00
BC123SA	AC adapter for rapid chargers; 100-240V with US style plug	$25.00
BC123SE	AC adapter for rapid chargers; 100-240V with Euro style plug	$26.00
BC147SA	AC adapter for trickle chargers; 100-240V with a US style plug	$15.00
BC147SE 15	AC adapter for trickle chargers; 230V with a Euro style plug	$16.00
BC152N 11	F50/F60/M88 desktop trickle charger (requires BC-147)	$42.00
BC157S	AC adapter for gang chargers; 100-240V with US style plug	$150.00
BC157SE	AC adapter for gang chargers; 100-240V with Euro style plug	$130.00
BC190 01	Sensing rapid charger for F50/60 radios; 100-240V with a US style plug	$80.00
BC190 02	Sensing rapid charger for F50/60 radios; 100-240V with a Euro style plug	$85.00
BC197 37	6-Unit Charger Kit BC197 + BC157S + AD128 x 6 for F50/F60/M88	$580.00
CP23L	12V cigarette lighter cable for use with rapid chargers	$38.00
MB130	Vehicle charger bracket holds rapid charger; requires cigarette lighter cable	$83.00
Headsets		
HS94	Earpiece headset; use with VS/OPC2004/OPC2006/OPC1392	$25.00
HS95	Headset with boom mic; use with VS/OPC2004/OPC2006/OPC1392	$215.00
HS97	Earphone with throat mic headset; use with VS/OPC2004/OPC2006/OPC1392	$42.00
OTTO V410514	Lightweight single speaker w/in-line ptt, padded headband (9-pin connector)	$155.00
VS1SC	VOX/PTT case with 9-pin connector. Must use with HS94/HS95/HS97.	$68.00
Manuals		
94415358	F60V USB Drive service manual	$33.33
94415376	F50V USB Drive service manual	$33.33
Microphones		
HM131SC	Lightweight speaker microphone with earphone jack (9-pin)	$79.00
HM138	Waterproof 9-pin marine style speaker mic (IS approved for F50/F60/M88/F70/F80)	$130.00
HM169	Waterproof speaker mic (9-pin)	$105.00

Accessories

Model	Description	MSRP
IMPACT HD3-I5	Heavy duty use speaker mic with 3.5mm accessory jack (9-pin)	$76.00
Software & Cables		
OPC966U	USB programming cloning cable for radios with 9-pin connector	$168.00
Wire Kits		
KLEIN DOUBLE AGENT-S8	2-Wire Kit D-Ring Earloop for F50/F60	$70.00
OTTO V110822	2-Wire palm mic kit (earphone cable and mic/ptt cable) with 9-pin connector	$125.00

F3011 – F4011 Series

F3011 – F4011 Series 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	$13.00
FASC25V	136-150MHz antenna J type connector	$13.00
FASC26US	400-450MHz stubby antenna J type connector	$14.50
FASC26VS	136-144MHz stubby antenna J type connector	$14.50
FASC27VS	142-150MHz stubby antenna J type connector	$14.50
FASC28V	142-162MHz antenna J type connector	$13.00
FASC29V	160-174MHz antenna J type connector	$13.00
FASC55V	146-174MHz standard antenna J type connector	$13.00
FASC56VS	150-160MHz stubby antenna J type connector	$14.50
FASC57U	430-470MHz standard antenna (red ring) J type connector	$13.00
FASC57VS	160-174MHz stubby antenna J type connector	$14.50
FASC61UC	380-520MHz cut antenna J type connector	$19.00
FASC61VC	136-174MHz cut antenna for the specific frequency desired	$19.00
FASC62V	150-160MHz high gain antenna J type connector	$55.00
FASC63V	155-165MHz high gain antenna J type connector	$55.00
FASC72U	470-512MHz antenna J type connector	$13.00
FASC73US	450-470MHz stubby antenna for J type connector	$14.50
LAIRD EXH 160 MXI	155-160MHz antenna	$26.00
LARSEN SPHL10160IC	151-163MHz helical ¼ wave antenna center tuned to 157MHz	$26.00
Batteries		
BP232H	Li-ion 7.4V 2300mAh (typical capacity), 2250mAh (minimum value)	$75.00
BP240	Battery case that holds 6 AAA alkaline batteries (1W output power)	$35.00
Belt Clips		
AW STUD/SWIVEL KIT	Metal stud that slides on like a belt clip and it's attached to a strong metal swivel belt clip	$21.00

Accessories

Model	Description	MSRP
AW SWIVEL	Swivel clip used with the AW Stud/Swivel Kit.	$13.00
MB93	Swivel belt clip	$11.00
MB94	Alligator belt clip	$10.50
MB94R	Alligator belt clip with long clip that angles the antenna/top of radio off the body	$18.00
MB96N	Swivel belt hanger to use with standard belt clip	$37.00

Cables

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

Carrying Cases

Model	Description	MSRP
LCF14 SWIVEL	Leather carrying case with a swivel F14/24 & F3011/4011 radios	$50.00

Chargers

Model	Description	MSRP
AD106	Adapter cup for the BC119N/BC121N for the radios with the BP232N/H battery	$28.00
AD122	Adapter cup that fits into the BC197 22/23 for the BP232N/H batteries	$23.00
BC123SA	AC adapter for rapid chargers; 100-240V with US style plug	$25.00
BC123SE	AC adapter for rapid chargers; 100-240V with Euro style plug	$26.00
BC157S	AC adapter for gang chargers; 100-240V with US style plug	$150.00
BC157SE	AC adapter for gang chargers; 100-240V with Euro style plug	$130.00
BC160	Rapid charger for radios with the BP230/231/232 battery; 100-240V with a US style plug	$70.00
BC160E	Rapid charger for radios with the BP230/231/232 battery; 100-240V with a Euro style plug	$70.00
BC197 22	Six unit charger for radios with the BP232N/H Li-Ion battery (includes AC adapter and cups installed); 100-240V with US style plug	$510.00
BC197 23	Six unit charger for radios with the BP232N/H Li-Ion battery (includes AC adapter and cups installed); 100-240V with Euro style plug	$510.00
CP23L	12V cigarette lighter cable for use with rapid chargers	$38.00
MB130	Vehicle charger bracket holds rapid charger; requires cigarette lighter cable	$83.00

Headsets

Model	Description	MSRP
HS94	Earpiece headset; use with VS/OPC2004/OPC2006/OPC1392	$25.00
HS95	Headset with boom mic; use with VS/OPC2004/OPC2006/OPC1392	$215.00

Accessories

Model	Description	MSRP
HS97	Earphone with throat mic headset; use with VS/OPC2004/OPC2006/OPC1392	$42.00
OTTO V4EX2CC5	Explorer lightweight headset with flexible earloop w/boom mic (2-pin right angle connector)	$90.00
VS1L	VOX/PTT case with 2-pin right angle connector. Must use with HS94/HS95/HS97	$44.00

Manuals

Model	Description	MSRP
94415491	F4011 USB Drive service manual	$33.33
94415494	F3011 USB Drive service manual	$33.33

Microphones

Model	Description	MSRP
HM158LA	Compact speaker microphone with revolving clip and earphone jack (right angle 2-pin screw down connector, stereo mic/mono speaker)	$47.00
HM159LA	Large speaker microphone with earphone jack and metal alligator clip (right angle 2-pin screw down connector, stereo mic/mono speaker)	$77.00
HM-HD7I7WP	Large waterproof speaker microphone with 3.5mm accessory jack (right angle 2-pin screw down connector)	$110.00
IMPACT HD3-I3	Heavy duty speaker mic w/3.5mm accessory jack (2-pin screw down connector)	$59.00
SP-AT1	Single pin listen only w/QD acoustic tube (9", 3.5mm L-shape)	$31.50

Software & Cables

Model	Description	MSRP
CSF3011	F3011/4011 software	$75.00
OPC478UC	USB programming cable (2-pin connectors handhelds)	$70.00

Wire Kits

Model	Description	MSRP
HM128L	Earphone/mic with 2-pin right angle connector	$28.50
HM153LA	Covert durable microphone with earphone combination (right angle 2-pin screw down connector)	$125.00
HM166LA	Earphone microphone with 2-pin right angle connector	$53.00

VE-PG3

VE-PG3 are discontinued and no longer available from Icom. Icom does still sell the below compatible accessories

Accessories

Model	Description	MSRP
Cables		
OPC2275	5m audio connection cable between the VEPG3 and the F5061/D series or A120 (RJ-45 modular plug connector with speaker plug).	$150.00
Chargers		
BC207S	12V / 3.5A AC adapter for VEPG3/IP1000C	$85.00
Mounting Hardware		
MB VP3	Rack mounting shelf for VEPG3/IP1000C	$100.00
MB99A	Wall mounting bracket VEPG3/IP1000C	$65.00
Remote Communication		
CT24	Digital voice converter (supplied with RCFS10 and works with VEPG3)	$1,200.00
RCFS10	Remote Communicator software + CT-24 (digital voice converter unit - each IDAS system requires 1 CT-24)	$1,820.00

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	$13.00
FASC25V	136-150MHz antenna J type connector	$13.00
FASC26US	400-450MHz stubby antenna J type connector	$14.50
FASC55V	146-174MHz standard antenna J type connector	$13.00
FASC56VS	150-160MHz stubby antenna J type connector	$14.50
FASC57U	430-470MHz standard antenna (red ring) J type connector	$13.00
FASC57VS	160-174MHz stubby antenna J type connector	$14.50
FASC61UC	380-520MHz cut antenna J type connector	$19.00
FASC61VC	136-174MHz cut antenna for the specific frequency desired	$19.00
FASC62V	150-160MHz high gain antenna J type connector	$55.00
FASC63V	155-165MHz high gain antenna J type connector	$55.00
FASC72U	470-512MHz antenna J type connector	$13.00
FASC73US	450-470MHz stubby antenna for J type connector	$14.50
Batteries		
BP232WP	Li-ion 7.4V 2300mAh (typical capacity), 2250mAh (minimum value) IP67 waterproof battery	$75.00
BP240	Battery case that holds 6 AAA alkaline batteries (1W output power)	$35.00
Belt Clips		
AW STUD/SWIVEL KIT	Metal stud that slides on like a belt clip and it's attached to a strong metal swivel belt clip	$21.00
AW SWIVEL	Swivel clip used with the AW Stud/Swivel Kit.	$13.00
MB93	Swivel belt clip	$11.00
MB94	Alligator belt clip	$10.50
MB94R	Alligator belt clip with long clip that angles the antenna/top of radio off the body	$18.00
MB96N	Swivel belt hanger to use with standard belt clip	$37.00

Accessories

Model	Description	MSRP
Cables		
OPC515L	DC power cable for single unit rapid chargers	$26.00
OPC656	DC power cable for gang charger	$12.00
Carrying Cases		
LCF3021S SWIVEL	Leather carrying case with a metal swivel clip and cutout for the display	$50.00
NCF3021S CLIP	Nylon carrying case with a clip and cutout for the display	$27.00
Chargers		
AD106	Adapter cup for the BC119N/BC121N for the radios with the BP232N/H battery	$28.00
AD122	Adapter cup that fits into the BC197 22/23 for the BP232N/H batteries	$23.00
BC147SA	AC adapter for trickle chargers; 100-240V with a US style plug	$15.00
BC147SE 15	AC adapter for trickle chargers; 230V with a Euro style plug	$16.00
BC157S	AC adapter for gang chargers; 100-240V with US style plug	$150.00
BC157SE	AC adapter for gang chargers; 100-240V with Euro style plug	$130.00
BC160	Rapid charger for radios with the BP230/231/232 battery; 100-240V with a US style plug	$70.00
BC160E	Rapid charger for radios with the BP230/231/232 battery; 100-240V with a Euro style plug	$70.00
BC197 22	Six unit charger for radios with the BP232N/H Li-Ion battery (includes AC adapter and cups installed); 100-240V with US style plug	$510.00
BC197 23	Six unit charger for radios with the BP232N/H Li-Ion battery (includes AC adapter and cups installed); 100-240V with Euro style plug	$510.00
CP23L	12V cigarette lighter cable for use with rapid chargers	$38.00
MB130	Vehicle charger bracket holds rapid charger; requires cigarette lighter cable	$83.00
Encryption & Internal Modules		
UT109R 21	Non-rolling voice scrambler. Up to 32 codes available. Not compatible with radios using the UT-110.	$105.00
UT110R 21	Rolling voice scrambler. Up to 1020 (255 codes x 4 groups) codes available. Works only in analog mode.	$173.00
Microphones		
HM158LA	Compact speaker microphone with revolving clip and earphone jack (right angle 2-pin screw down connector, stereo mic/mono speaker)	$47.00

Accessories

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

Software & Cables

Model	Description	MSRP
CSF3021/F5021/F5011	F3021/5021/5011 series programming software	$72.00
OPC478UC	USB programming cable (2-pin connectors handhelds)	$70.00

Wire Kits

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

F11-F21 Discontinued

The F11/21 portables are discontinued and no longer available from Icom. Icom does still sell the below compatible accessories.

Accessories

Model	Description	MSRP
Antennas		
AD98FSC	Antenna connector adapter for "J" to "BNC" conversion	$22.00
FASC25V	136-150MHz antenna J type connector	$13.00
FASC55V	146-174MHz standard antenna J type connector	$13.00
FASC56VS	150-160MHz stubby antenna J type connector	$14.50
FASC57U	430-470MHz standard antenna (red ring) J type connector	$13.00
FASC57VS	160-174MHz stubby antenna J type connector	$14.50
FASC61UC	380-520MHz cut antenna J type connector	$19.00
FASC61VC	136-174MHz cut antenna for the specific frequency desired	$19.00
FASC73US	450-470MHz stubby antenna for J type connector	$14.50
Batteries		
BP208N	Battery case that holds 6 AA alkaline batteries.	$22.00
BP210N	NiMH 7.2V 1650mAh battery	$95.00
Belt Clips		
MB103	Alligator belt clip	$12.50
MB74N	Alligator Clip for BP209 & BP210 (non N version batteries)	$12.00
MB86	Swivel belt clip that screws into back of radio	$12.00
SPRING CLIP L	Long spring clip insert length 3.5 inches	$5.00
Cables		
OPC656	DC power cable for gang charger	$12.00
Carrying Cases		
LCF21 CLIP	Leather carrying case with a clip F11/21 radios	$45.00
NCF21 LOOP	Nylon carrying case with a loop F11/21 radios	$25.00

Accessories

Model	Description	MSRP
Chargers		
AD101	Adapter cup for the BC119N or BC121N for the BP210N & BP211 batteries	$28.00
AD94 11	Adapter cup for the BC119N or BC121N for the BP209N/BP210N batteries	$28.00
BC146 01	Drop-in trickle charger base for the F11/21/3G/4G/30G/40G series. Requires BC147 AC adapter.	$32.00
BC147SA	AC adapter for trickle chargers; 100-240V with a US style plug	$15.00
BC147SE 15	AC adapter for trickle chargers; 230V with a Euro style plug	$16.00
BC157S	AC adapter for gang chargers; 100-240V with US style plug	$150.00
BC157SE	AC adapter for gang chargers; 100-240V with Euro style plug	$130.00
Headsets		
HS94	Earpiece headset; use with VS/OPC2004/OPC2006/OPC1392	$25.00
HS95	Headset with boom mic; use with VS/OPC2004/OPC2006/OPC1392	$215.00
HS97	Earphone with throat mic headset; use with VS/OPC2004/OPC2006/OPC1392	$42.00
OTTO V4EX2CC5	Explorer lightweight headset with flexible earloop w/boom mic (2-pin right angle connector)	$90.00
VS1L	VOX/PTT case with 2-pin right angle connector. Must use with HS94/HS95/HS97	$44.00
Manuals		
94414314	F11/F11S/F21/F21S USB Drive service manual	$33.33
Microphones		
HM158LA	Compact speaker microphone with revolving clip and earphone jack (right angle 2-pin screw down connector, stereo mic/mono speaker)	$47.00
HM159LA	Large speaker microphone with earphone jack and metal alligator clip (right angle 2-pin screw down connector, stereo mic/mono speaker)	$77.00
Software & Cables		
CSF11	F11/F21 Program Sftwre	$72.00
OPC478UC	USB programming cable (2-pin connectors handhelds)	$70.00
Wire Kits		
HM128L	Earphone/mic with 2-pin right angle connector	$28.50
HM153LA	Covert durable microphone with earphone combination (right angle 2-pin screw down connector)	$125.00

Accessories

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

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	$13.00
FASC25V	136-150MHz antenna J type connector	$13.00
FASC55V	146-174MHz standard antenna J type connector	$13.00
FASC56VS	150-160MHz stubby antenna J type connector	$14.50
FASC57U	430-470MHz standard antenna (red ring) J type connector	$13.00
FASC57VS	160-174MHz stubby antenna J type connector	$14.50
FASC61UC	380-520MHz cut antenna J type connector	$19.00
FASC61VC	136-174MHz cut antenna for the specific frequency desired	$19.00
FASC62V	150-160MHz high gain antenna J type connector	$55.00
FASC63V	155-165MHz high gain antenna J type connector	$55.00
FASC72U	470-512MHz antenna J type connector	$13.00
FASC73US	450-470MHz stubby antenna for J type connector	$14.50
LAIRD EXH 160 MXI	155-160MHz antenna	$26.00
LARSEN SPHL10160IC	151-163MHz helical ¼ wave antenna center tuned to 157MHz	$26.00
Batteries		
BP232H	Li-ion 7.4V 2300mAh (typical capacity), 2250mAh (minimum value)	$75.00
BP240	Battery case that holds 6 AAA alkaline batteries (1W output power)	$35.00
Belt Clips		
AW STUD/SWIVEL KIT	Metal stud that slides on like a belt clip and it's attached to a strong metal swivel belt clip	$21.00
AW SWIVEL	Swivel clip used with the AW Stud/Swivel Kit.	$13.00
MB93	Swivel belt clip	$11.00
MB94	Alligator belt clip	$10.50
MB94R	Alligator belt clip with long clip that angles the antenna/top of radio off the body	$18.00
MB96N	Swivel belt hanger to use with standard belt clip	$37.00

Accessories

Model	Description	MSRP
Cables		
OPC515L	DC power cable for single unit rapid chargers	$26.00
OPC656	DC power cable for gang charger	$12.00
Carrying Cases		
LCF14 SWIVEL	Leather carrying case with a swivel F14/24 & F3011/4011 radios	$50.00
LCF3021S SWIVEL	Leather carrying case with a metal swivel clip and cutout for the display	$50.00
NCF3021S CLIP	Nylon carrying case with a clip and cutout for the display	$27.00
Chargers		
AD106	Adapter cup for the BC119N/BC121N for the radios with the BP232N/H battery	$28.00
AD122	Adapter cup that fits into the BC197 22/23 for the BP232N/H batteries	$23.00
BC147SA	AC adapter for trickle chargers; 100-240V with a US style plug	$15.00
BC147SE 15	AC adapter for trickle chargers; 230V with a Euro style plug	$16.00
BC157S	AC adapter for gang chargers; 100-240V with US style plug	$150.00
BC157SE	AC adapter for gang chargers; 100-240V with Euro style plug	$130.00
BC160	Rapid charger for radios with the BP230/231/232 battery; 100-240V with a US style plug	$70.00
BC160E	Rapid charger for radios with the BP230/231/232 battery; 100-240V with a Euro style plug	$70.00
BC197 22	Six unit charger for radios with the BP232N/H Li-Ion battery (includes AC adapter and cups installed); 100-240V with US style plug	$510.00
BC197 23	Six unit charger for radios with the BP232N/H Li-Ion battery (includes AC adapter and cups installed); 100-240V with Euro style plug	$510.00
CP23L	12V cigarette lighter cable for use with rapid chargers	$38.00
MB130	Vehicle charger bracket holds rapid charger; requires cigarette lighter cable	$83.00
Encryption & Internal Modules		
UT109 02	Non-rolling voice scrambler. Up to 32 codes available. Not compatible with radios using the UT-110.	$105.00
UT109R 21	Non-rolling voice scrambler. Up to 32 codes available. Not compatible with radios using the UT-110.	$105.00
UT110 02	Rolling voice scrambler. Up to 1020 (255 codes x 4 groups) codes available.	$173.00
UT110R 21	Rolling voice scrambler. Up to 1020 (255 codes x 4 groups) codes available. Works only in analog mode.	$173.00

Accessories

Model	Description	MSRP
UT124 01	Man down unit	$90.00

Headsets

Model	Description	MSRP
HS94	Earpiece headset; use with VS/OPC2004/OPC2006/OPC1392	$25.00
HS95	Headset with boom mic; use with VS/OPC2004/OPC2006/OPC1392	$215.00
HS97	Earphone with throat mic headset; use with VS/OPC2004/OPC2006/OPC1392	$42.00
OTTO V4EX2CC5	Explorer lightweight headset with flexible earloop w/boom mic (2-pin right angle connector)	$90.00
VS1L	VOX/PTT case with 2-pin right angle connector. Must use with HS94/HS95/HS97	$44.00

Manuals

Model	Description	MSRP
94414845	F33G/F43G USB Drive service manual	$28.97
94414913	F14/F24USB Drive service manual	$16.95
94415195	F3021/F4021 USB Drive service manual	$28.97

Microphones

Model	Description	MSRP
HM158LA	Compact speaker microphone with revolving clip and earphone jack (right angle 2-pin screw down connector, stereo mic/mono speaker)	$47.00
HM159LA	Large speaker microphone with earphone jack and metal alligator clip (right angle 2-pin screw down connector, stereo mic/mono speaker)	$77.00
HM-HD7I7WP	Large waterproof speaker microphone with 3.5mm accessory jack (right angle 2-pin screw down connector)	$110.00
IMPACT HD3-I3	Heavy duty speaker mic w/3.5mm accessory jack (2-pin screw down connector)	$59.00
SP-AT1	Single pin listen only w/QD acoustic tube (9", 3.5mm L-shape)	$31.50

Software & Cables

Model	Description	MSRP
CSF14	F14/F24 Program Sftwre w/ MDC	$0.00
CSF3021/F5021/F5011	F3021/5021/5011 series programming software	$72.00
OPC478UC	USB programming cable (2-pin connectors handhelds)	$70.00

Wire Kits

Model	Description	MSRP
HM128L	Earphone/mic with 2-pin right angle connector	$28.50
HM153LA	Covert durable microphone with earphone combination (right angle 2-pin screw down connector)	$125.00
HM166LA	Earphone microphone with 2-pin right angle connector	$53.00

F30G – F40G Series

The F30G & F40G portables are discontinued and no longer available from Icom. Icom does still sell the below compatible accessories.

Accessories

Model	Description	MSRP
Antennas		
AD98FSC	Antenna connector adapter for "J" to "BNC" conversion	$22.00
FASC25V	136-150MHz antenna J type connector	$13.00
FASC55V	146-174MHz standard antenna J type connector	$13.00
FASC56VS	150-160MHz stubby antenna J type connector	$14.50
FASC57U	430-470MHz standard antenna (red ring) J type connector	$13.00
FASC57VS	160-174MHz stubby antenna J type connector	$14.50
FASC61UC	380-520MHz cut antenna J type connector	$19.00
FASC61VC	136-174MHz cut antenna for the specific frequency desired	$19.00
FASC73US	450-470MHz stubby antenna for J type connector	$14.50
Batteries		
BP210N	NiMH 7.2V 1650mAh battery	$95.00
Belt Clips		
MB103	Alligator belt clip	$12.50
MB74N	Alligator Clip for BP209 & BP210 (non N version batteries)	$12.00
MB86	Swivel belt clip that screws into back of radio	$12.00
SPRING CLIP L	Long spring clip insert length 3.5 inches	$5.00
Cables		
OPC656	DC power cable for gang charger	$12.00
Carrying Cases		
NCF30G LOOP	Nylon carrying case with a loop for the F30G/40G & M36 radios	$25.00
Chargers		
AD94 11	Adapter cup for the BC119N or BC121N for the BP209N/BP210N batteries	$28.00

Accessories

Model	Description	MSRP
BC157S	AC adapter for gang chargers; 100-240V with US style plug	$150.00
BC157SE	AC adapter for gang chargers; 100-240V with Euro style plug	$130.00

Encryption & Internal Modules

UT109 02	Non-rolling voice scrambler. Up to 32 codes available. Not compatible with radios using the UT-110.	$105.00
UT110 02	Rolling voice scrambler. Up to 1020 (255 codes x 4 groups) codes available.	$173.00
UT124 01	Man down unit	$90.00

Headsets

HS94	Earpiece headset; use with VS/OPC2004/OPC2006/OPC1392	$25.00
HS95	Headset with boom mic; use with VS/OPC2004/OPC2006/OPC1392	$215.00
HS97	Earphone with throat mic headset; use with VS/OPC2004/OPC2006/OPC1392	$42.00
VS1SC	VOX/PTT case with 9-pin connector. Must use with HS94/HS95/HS97.	$68.00

Manuals

94413511	F40GS/GT USB Drive service manual	$33.33
94414803	F30G/F40G USB Drive service manual	$33.33

Microphones

EM80	9-pin full size speaker mic for F30G series. IS approved to work with F30G IS radios.	$15.00
HM131SC	Lightweight speaker microphone with earphone jack (9-pin)	$79.00

Software & Cables

OPC966U	USB programming cloning cable for radios with 9-pin connector	$168.00

Wire Kits

OTTO V1T12CD137	Throat Mic Sys w/tube ear piece and body PTT with 9 pin connector for F30G/40G	$505.00

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