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American Communication Systems

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Icom America Inc.

Portables



V3MR

VHF MURS Portable

SPECS

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



FEATURES

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

SUPPLIED ACCESSORIES

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



V3MR

VHF MURS Portable

Configurations

Model	Description
V3MR 66 USA	MURS license-free portable with BC240 rapid charger

Accessories

Model	Description
Antennas	
FASC28V	142-162MHz antenna J type connector
Batteries	
BP298	2250mAh li-ion battery
Belt Clips	
MB124	Alligator type belt clip
Chargers	
BC157S	AC adapter for gang chargers; 100-240V with US style plug
BC214	Six bank charger with US plug AC adapter and cups installed
BC214E	Six bank charger with EURO plug AC adapter and cups installed
BC214N 27	Six unit charger for radios with the BP298/BP299 battery
BC240	Rapid charger for the BP298/BP299
CP23L	12V cigarette lighter cable for use with rapid chargers
Headsets	
HS94	Earpiece headset; use with VS/OPC2004/OPC2006/OPC1392
HS94LWP	Earhook headset with boom microphone with 2-pin screw down connector for hands-free operation.
HS95	Headset with boom mic; use with VS/OPC2004/OPC2006/OPC1392
HS95LWP	Behind-the-head type with boom microphone with 2-pin screw down connector
HS97	Earphone with throat mic headset; use with VS/OPC2004/OPC2006/OPC1392
IJKP-HM2PLOW	2-wire kit w/acoustic tube
VS4LA	PTT switch cable to communicate using the HS94/95/97
Microphones	
HM158LA	Compact speaker microphone with revolving clip and earphone jack (right angle 2-pin screw down connector, stereo mic/mono speaker)
HM159LA	Large speaker microphone with earphone jack and metal alligator clip (right angle 2-pin screw down connector, stereo mic/mono speaker)
HM222HLWP	IP68 speaker mic with 2-pin screw down connector and 3.5mm jack
Software & Cables	
OPC478UD	USB programming cable (2-pin connectors handhelds)
Wire Kits	
HM166LA	Earphone microphone with 2-pin right angle connector

V10MR

VHF MURS Portable

SPECS

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



FEATURES

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

SUPPLIED ACCESSORIES

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

V10MR

VHF MURS Portable

Configurations

Model	Description
V10MR 12 USA	MURS license-free handheld with BC213 rapid charger

Accessories

Model	Description
Antennas	
FASC28V	142-162MHz antenna J type connector
Batteries	
BP279	Li-ion 7.2V 1485mAh battery
Belt Clips	
MB133	Alligator type belt clip
Chargers	
BC157S	AC adapter for gang chargers; 100-240V with US style plug
BC213	Rapid charger with a US plug for radios with the BP279/BP280 battery (BC-123SA or BC242 included)
BC214	Six bank charger with US plug AC adapter and cups installed
BC214E	Six bank charger with EURO plug AC adapter and cups installed
CP23L	12V cigarette lighter cable for use with rapid chargers
MB130	Vehicle charger bracket holds rapid charger; requires cigarette lighter cable
Headsets	
HS94	Earpiece headset; use with VS/OPC2004/OPC2006/OPC1392
HS94LWP	Earhook headset with boom microphone with 2-pin screw down connector for hands-free operation.
HS95	Headset with boom mic; use with VS/OPC2004/OPC2006/OPC1392
HS95LWP	Behind-the-head type with boom microphone with 2-pin screw down connector
HS97	Earphone with throat mic headset; use with VS/OPC2004/OPC2006/OPC1392
VS4LA	PTT switch cable to communicate using the HS94/95/97
Microphones	
HM158LA	Compact speaker microphone with revolving clip and earphone jack (right angle 2-pin screw down connector, stereo mic/mono speaker)
HM159LA	Large speaker microphone with earphone jack and metal alligator clip (right angle 2-pin screw down connector, stereo mic/mono speaker)
HM222HLWP	IP68 speaker mic with 2-pin screw down connector and 3.5mm jack
Software & Cables	
OPC478UD	USB programming cable (2-pin connectors handhelds)
Wire Kits	
HM166LA	Earphone microphone with 2-pin right angle connector

F200

Entry Level UHF Analog Portable

SPECS

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



FEATURES

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

COMES WITH

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

F200

Entry Level UHF Analog Portable

Configurations

Model	Description
F200 11 USA	450-470 MHz portable with rapid charger
F200 USA Earpiece Kit	450-470 MHz radio with rapid charger and IJKP - HM1LSOW acoustic tube earpiece

Accessories

Model	Description
Batteries	
BP304A	Li-ion battery 3.6V, 2270 mAh (minimum) / 2350 mAh (typical)
Belt Clips	
MB127	Alligator belt clip
Chargers	
BC262	Desktop charger cradle for F200 or BC264.
BC264	Battery pack charger for the BP304A. Use w/BC262 or USB Type-C™.
BC268 11	Gang charger for the IC-F200
Headsets	
HS94	Earpiece headset; use with VS/OPC2004/OPC2006/OPC1392
HS95	Headset with boom mic; use with VS/OPC2004/OPC2006/OPC1392
HS97	Earphone with throat mic headset; use with VS/OPC2004/OPC2006/OPC1392
IJKP-HM1LSOW	1-wire kit w/acoustic tube
IJKP-HM2LSOW	1-wire kit ear hanger & earbud
IJKP-HM3LSOW	1-wire kit D-shape ear hanger
OPC2006LS	Adapter plug with VOX and no PTT to to use with the HS94/95/97
OPC2328	Adapter plug with PTT to to use with the HS94/95/97
Microphones	
HM183LS	Waterproof compact speaker microphone (2-pin connector)
HM186LS	Compact speaker microphone with earphone jack (2-pin connector)
Software & Cables	
OPC478UD	USB programming cable (2-pin connectors handhelds)
QCS-LM100	Digital LM software – Requires radio model, firmware version, contact name, and email on order.
Wire Kits	
HM153LS	Microphone with 2.5mm earphone combination (right angle 2-pin connector)
HM166LS	Earphone microphone with two pin right angle connector

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 stand-by and more
Channel announcement
Built-in inversion voice scrambler
8 DTMF autodial memories
“Shift key” function increases number of programmable key assignments
Surveillance function
Escalating alarm

SIGNALING

CTCSS / DTCS encode & decode
Built-In 2-Tone, 5-Tone
MDC1200 16 channel version

- PTT ID (transmit only)
- Emergency Call (transmit only)

MDC1200 S/T version

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

COMES WITH

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



F1000/S/T – F2000/S/T Series

Entry Level Analog Portables

Configurations

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

Accessories

Model	Description
ENGRAVE	Engrave radio
EXTWARR211	1 year extended warranty for a total 3 years
EXTWARR212	2 year extended warranty for a total 4 years
EXTWARR213	3 year extended warranty for a total 5 years

Antennas

FASC25U	400-430MHz antenna J type connector
FASC25V	136-150MHz antenna J type connector
FASC26US	400-450MHz stubby antenna J type connector
FASC27VS	142-150MHz stubby antenna J type connector
FASC28V	142-162MHz antenna J type connector
FASC29V	160-174MHz antenna J type connector
FASC55V	146-174MHz standard antenna J type connector
FASC56VS	150-160MHz stubby antenna J type connector
FASC57U	430-470MHz standard antenna (red ring) J type connector
FASC57VS	160-174MHz stubby antenna J type connector
FASC61UC	380-520MHz cut antenna J type connector
FASC61VC	136-174MHz cut antenna for the specific frequency desired
FASC62V	150-160MHz high gain antenna J type connector
FASC63V	155-165MHz high gain antenna J type connector
FASC72U	470-512MHz antenna J type connector
FASC73US	450-470MHz stubby antenna for J type connector
IAFASC450US	430-470MHz stubby antenna with a J type connector

Batteries

BP279	Li-ion 7.2V 1485mAh battery
BP280	Li-ion 7.2V 2280mAh battery

Belt Clips

MB133	Alligator type belt clip
MB96N	Swivel belt hanger to use with belt clip

Carrying Cases

LCF1000S	Leather carrying case with a swivel for F1000/2000/D non display radios
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F1000/S/T – F2000/S/T Series

Entry Level Analog Portables

Accessories

Model	Description
LCF1000SS	Leather carrying case with a swivel belt loop and cutout for the display for the F1000S/2000S
LCF1000TS	Leather case for the F1000T/2000T with a full keypad cutout with a swivel loop
NCF1000C	Nylon carrying case with a clip for the F1000/2000/D non display radios
Chargers	
AD130	Adapter cup that fits into the BC214 for radios with BP279/BP280
BC123SA	Straight-angle AC adapter for rapid chargers; 100-240V with US style plug
BC123SE	AC adapter for rapid chargers; 100-240V with Euro style plug
BC157S	AC adapter for gang chargers; 100-240V with US style plug
BC157SE	AC adapter for gang chargers; 100-240V with Euro style plug
BC213	Rapid charger with a US plug for radios with the BP279/BP280 battery (BC-123SA or BC242 included)
BC213NAC	Rapid charger cup for radios with the BP279 battery (BC-123S not included)
BC214	Six bank charger with US plug AC adapter and cups installed
BC214E	Six bank charger with EURO plug AC adapter and cups installed
CP23L	12V cigarette lighter cable for use with rapid chargers
MB130	Vehicle charger bracket holds rapid charger; requires cigarette lighter cable
Headsets	
HS94	Earpiece headset; use with VS/OPC2004/OPC2006/OPC1392
HS94LWP	Earhook headset with boom microphone with 2-pin screw down connector for hands-free operation.
HS95	Headset with boom mic; use with VS/OPC2004/OPC2006/OPC1392
HS95LWP	Behind-the-head type with boom microphone with 2-pin screw down connector
HS97	Earphone with throat mic headset; use with VS/OPC2004/OPC2006/OPC1392
IJKP-HM2PLOW	2-wire kit w/acoustic tube
VS4LA	PTT switch cable to communicate using the HS94/95/97
Microphones	
HM158LA	Compact speaker microphone with revolving clip and earphone jack (right angle 2-pin screw down connector, stereo mic/mono speaker)
HM159LA	Large speaker microphone with earphone jack and metal alligator clip (right angle 2-pin screw down connector, stereo mic/mono speaker)
HM222HLWP	IP68 speaker mic with 2-pin screw down connector and 3.5mm jack
HM-HD717WP	Large waterproof speaker microphone with 3.5mm accessory jack (right angle 2-pin screw down connector)
SP27	Acoustic tube earphone with a clip (3.5mm)
SP29	Earhook type earphone with 3.5mm plug
SP40	Earphone with 3.5mm plug
SP-AT1	Single pin listen only w/QD acoustic tube (9", 3.5mm L-shape)
Software & Cables	
CSF2000-USB	USB programming software for the F1000/2000
OPC478UD	USB programming cable (2-pin connectors handhelds)
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels
QCS-LM100	Digital LM software – Requires radio model, firmware version, contact name, and email on order.

F1000/S/T – F2000/S/T Series

Entry Level Analog Portables

Accessories

Model	Description
Wire Kits	
HM166LA	Earphone microphone with 2-pin right angle connector

F1100D – F2100D Series

Entry Level IDAS™ Portables

SPECS

Frequencies:	136-174, 400-470, 470-512MHz
Output Power:	5W (VHF); 4W (UHF)
Channels:	16 or 128 (S/T)
Channel Spacing:	12.5 / 6.25 kHz
Mil Spec:	MIL-STD 810 C,D,E,F,G,
Weight:	9.2oz (with BP-280)
Waterproof Rating:	IP67 dust-tight and waterproof protection
Versions:	With full keypad With simple keypad Without LCD and front keypad



FEATURES

General Features:

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

Digital Features:

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

COMES WITH

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

SIGNALING (Analog Only)

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



F1100D – F2100D Series

Entry Level IDAS™ Portables

Configurations

Model	Description
F1100D 53 USA	136-174MHz IDAS portable with 16 channels, no display, includes rapid charger
F1100DS 63 USA	136-174MHz IDAS portable with 128 channels, display with limited keypad, includes rapid charger
F1100DT 73 USA	136-174MHz IDAS portable with 128 channels, display, full DTMF keypad, includes rapid charger
F2100D 66 USA	450-512MHz IDAS portable with 16 channels and no display, includes rapid charger
F2100DS 76 USA	450-512MHz IDAS portable with 128 channels, display and limited keypad, includes rapid charger
F2100DT 86 USA	450-512MHz IDAS portable with 128 channels, LCD, full DTMF keypad, includes rapid charger
F2100D 63 USA	400-470MHz IDAS portable (5W) with 16 channels, no display, includes rapid charger
F2100DS 73 USA	400-470MHz IDAS portable with 128 channels, display, limited keypad, includes rapid charger
F2100DT 83 USA	400-470MHz IDAS portable with 128 channels, LCD, full DTMF keypad, includes rapid charger

Accessories

Model	Description
EXTWARR211	1 year extended warranty for a total 3 years
EXTWARR212	2 year extended warranty for a total 4 years
EXTWARR213	3 year extended warranty for a total 5 years
Antennas	
FASC25U	400-430MHz antenna J type connector
FASC25V	136-150MHz antenna J type connector
FASC26US	400-450MHz stubby antenna J type connector
FASC27VS	142-150MHz stubby antenna J type connector
FASC28V	142-162MHz antenna J type connector
FASC29V	160-174MHz antenna J type connector
FASC55V	146-174MHz standard antenna J type connector
FASC56VS	150-160MHz stubby antenna J type connector
FASC57U	430-470MHz standard antenna (red ring) J type connector
FASC57VS	160-174MHz stubby antenna J type connector
FASC61UC	380-520MHz cut antenna J type connector
FASC61VC	136-174MHz cut antenna for the specific frequency desired
FASC62V	150-160MHz high gain antenna J type connector
FASC63V	155-165MHz high gain antenna J type connector
FASC73US	450-470MHz stubby antenna for J type connector
IAFASC450US	430-470MHz stubby antenna with a J type connector
Batteries	
BP280	Li-ion 7.2V 2280mAh battery
Belt Clips	
MB133	Alligator type belt clip
MB96N	Swivel belt hanger to use with belt clip
Carrying Cases	
LCF1000S	Leather carrying case with a swivel for F1000/2000/D non display radios

F1100D – F2100D Series

Entry Level IDAS™ Portables

Accessories

Model	Description
LCF1000SS	Leather carrying case with a swivel belt loop and cutout for the display for the F1000S/2000S
LCF1000TS	Leather case for the F1000T/2000T with a full keypad cutout with a swivel loop
NCF1000C	Nylon carrying case with a clip for the F1000/2000/D non display radios
Chargers	
AD130	Adapter cup that fits into the BC214 for radios with BP279/BP280
BC123SA	Straight-angle AC adapter for rapid chargers; 100-240V with US style plug
BC123SE	AC adapter for rapid chargers; 100-240V with Euro style plug
BC157S	AC adapter for gang chargers; 100-240V with US style plug
BC157SE	AC adapter for gang chargers; 100-240V with Euro style plug
BC213	Rapid charger with a US plug for radios with the BP279/BP280 battery (BC-123SA or BC242 included)
BC213NAC	Rapid charger cup for radios with the BP279 battery (BC-123S not included)
BC214	Six bank charger with US plug AC adapter and cups installed
BC214E	Six bank charger with EURO plug AC adapter and cups installed
CP23L	12V cigarette lighter cable for use with rapid chargers
MB130	Vehicle charger bracket holds rapid charger; requires cigarette lighter cable
Headsets	
HS94LWP	Earhook headset with boom microphone with 2-pin screw down connector for hands-free operation.
HS95LWP	Behind-the-head type with boom microphone with 2-pin screw down connector
HS97	Earphone with throat mic headset; use with VS/OPC2004/OPC2006/OPC1392
IJKP-HM2PLOW	2-wire kit w/acoustic tube
VS4LA	PTT switch cable to communicate using the HS94/95/97
Microphones	
HM158LA	Compact speaker microphone with revolving clip and earphone jack (right angle 2-pin screw down connector, stereo mic/mono speaker)
HM159LA	Large speaker microphone with earphone jack and metal alligator clip (right angle 2-pin screw down connector, stereo mic/mono speaker)
HM222HLWP	IP68 speaker mic with 2-pin screw down connector and 3.5mm jack
HM-HD717WP	Large waterproof speaker microphone with 3.5mm accessory jack (right angle 2-pin screw down connector)
SP-AT1	Single pin listen only w/QD acoustic tube (9", 3.5mm L-shape)
Software & Cables	
CSF2100D	USB programming software for the F1100D/2100D
OPC478UD	USB programming cable (2-pin connectors handhelds)
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels
QCS-LM100	Digital LM software – Requires radio model, firmware version, contact name, and email on order.
Wire Kits	
HM166LA	Earphone microphone with 2-pin right angle connector

F52D/F62D Series

Analog & IDAS Digital Compact Waterproof Portables

SPECS

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



FEATURES

General Features

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

Digital Features:

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

COMES WITH

Battery (BP-294)
Belt Clip (MMB-3)
Owner's manual
Warranty: 3-Year

Analog Signaling

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

ENCRYPTION

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

F52D/F62D Series

Analog & IDAS Digital Compact Waterproof Portables

Configurations

Model	Description
F52D 17 USA	136-174MHz compact IDAS, waterproof portable with 512 channels. Purchase antenna and charger separately.
F62D 17 USA	400-470MHz compact IDAS waterproof portable with 512 channels. Purchase antenna and charger separately.
F62D 27 USA	450-512MHz compact IDAS waterproof portable with 512 channels. Purchase antenna and charger separately.

Accessories

Model	Description
EXTWARR611	1 year extended warranty
EXTWARR612	2 year extended warranty
EXTWARR613	3 year extended warranty
Antennas	
FASC25U	400-430MHz antenna J type connector
FASC25V	136-150MHz antenna J type connector
FASC26US	400-450MHz stubby antenna J type connector
FASC27VS	142-150MHz stubby antenna J type connector
FASC28V	142-162MHz antenna J type connector
FASC29V	160-174MHz antenna J type connector
FASC56VS	150-160MHz stubby antenna J type connector
FASC57U	430-470MHz standard antenna (red ring) J type connector
FASC57VS	160-174MHz stubby antenna J type connector
FASC61UC	380-520MHz cut antenna J type connector
FASC61VC	136-174MHz cut antenna for the specific frequency desired
FASC62V	150-160MHz high gain antenna J type connector
FASC63V	155-165MHz high gain antenna J type connector
FASC72U	470-512MHz antenna J type connector
FASC73US	450-470MHz stubby antenna for J type connector
IAFASC450US	430-470MHz stubby antenna with a J type connector
Batteries	
BP291	Battery case 5 x AA
BP294	3150mAh li-ion battery for the F52D/F62D/M85
Belt Clips	
MB136	Swivel belt clip for F1000/F3400/F7010/F52D/M85 series
MB96N	Swivel belt hanger to use with belt clip
MBB3	Standard belt clip
Carrying Cases	
LCF1052S	Leather case with swivel belt loop and D-ring for the F52D/F62D
NCF1052C	Nylon case for the F52D/F62D with a clip
Chargers	
BC123SA	Straight-angle AC adapter for rapid chargers; 100-240V with US style plug
BC123SE	AC adapter for rapid chargers; 100-240V with Euro style plug

F52D/F62D Series

Analog & IDAS Digital Compact Waterproof Portables

Accessories

Model	Description
BC157S	AC adapter for gang chargers; 100-240V with US style plug
BC157SE	AC adapter for gang chargers; 100-240V with Euro style plug
BC214-1	Six unit charger for radios with the BP284/BP290/BP303 battery (AD132N cup); includes AC adapter with US plug
BC214-1E	Six unit charger for radios with the BP284/BP290/BP303 battery (AD132N cup); includes AC adapter with EURO plug
BC219N	Rapid charger for radios with the BP283/BP284/BP294; 100-240V with a US style plug
BC225	Smart rapid charger; 100-240V with a US style plug
CP23L	12V cigarette lighter cable for use with rapid chargers
Headsets	
AD135	3.5mm earphone jack adapter that plugs into a 14-pin connector
HS94	Earpiece headset; use with VS/OPC2004/OPC2006/OPC1392
HS95	Headset with boom mic; use with VS/OPC2004/OPC2006/OPC1392
HS97	Earphone with throat mic headset; use with VS/OPC2004/OPC2006/OPC1392
VS3	Compact lapel PTT Bluetooth with earphone w/3.5mm jack
Microphones	
HM184H	14-pin loud waterproof speaker mic (no accessory jack)
HM222H	IP68 waterproof speaker microphone w/3.5mm accessory jack (14-pin connector)
HM-HD7I6WP	Large waterproof, high gain speaker microphone with 3.5mm accessory jack (14-pin connector)
IAHM600	Heavy duty Bluetooth speaker microphone with loud audio, water/dust resistant & 40+ hours of talk time (charger included)
SP27	Acoustic tube earphone with a clip (3.5mm)
SP29	Earhook type earphone with 3.5mm plug
SP40	Earphone with 3.5mm plug
SP-AT1	Single pin listen only w/QD acoustic tube (9", 3.5mm L-shape)
Miscellaneous	
AD118	14-pin ACC adapter to use with Hirose plug accessories
ISL-AK25K	Add 25kHz into the radio
Software & Cables	
CSF52D	USB programming software for the F52D/F62D
CSOTPM1	Over-the-air programming (OTAP) manager software
OPC1870	Radio to radio cloning cable between two 14-pin connector portable radios
OPC2338	14-pin programming cable plus transparent data transfer
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels
QCS-LM100	Digital LM software – Requires radio model, firmware version, contact name, and email on order.
Trunking	
ISL-UGMTR	Type D trunking license for single and multi-site trunking
Wire Kits	
EH15B	Earphone with 2.5mm plug to use with HM-163MC
HM163MC	Lapel mic with 2.5mm earphone jack
SP26	Tube earphone with 2.5mm plug to use with HM-163MC/HM-153LS

F52D/F62D Series

Analog & IDAS Digital Compact Waterproof Portables

Accessories

Model	Description	
SP28	Earhook type earphone with 2.5mm plug to use with HM-163MC/HM-153LS	

F52DUL/F62DUL Series

Analog & IDAS Digital Intrinsicly Safe Portables

SPECS

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



FEATURES

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

Digital Features:

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

COMES WITH

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

Analog Signaling

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

ENCRYPTION

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

F52DUL/F62DUL Series

Analog & IDAS Digital Intrinsically Safe Portables

Configurations

Model	Description
F52DUL 12 USA	136-174MHz intrinsically safe, IDAS waterproof portable with 512 channels. Purchase antenna and charger separately.
F62DUL 12 USA	400-470MHz intrinsically safe, compact IDAS waterproof portable with 512 channels. Purchase antenna and charger separately.
F62DUL 22 USA	450-512MHz intrinsically safe, compact IDAS waterproof portable with 512 channels. Purchase antenna and charger separately.

Accessories

Model	Description
EXTWARR611	1 year extended warranty
EXTWARR612	2 year extended warranty
EXTWARR613	3 year extended warranty
Antennas	
FASC25U	400-430MHz antenna J type connector
FASC25V	136-150MHz antenna J type connector
FASC26US	400-450MHz stubby antenna J type connector
FASC27VS	142-150MHz stubby antenna J type connector
FASC28V	142-162MHz antenna J type connector
FASC29V	160-174MHz antenna J type connector
FASC56VS	150-160MHz stubby antenna J type connector
FASC57U	430-470MHz standard antenna (red ring) J type connector
FASC57VS	160-174MHz stubby antenna J type connector
FASC61UC	380-520MHz cut antenna J type connector
FASC61VC	136-174MHz cut antenna for the specific frequency desired
FASC62V	150-160MHz high gain antenna J type connector
FASC63V	155-165MHz high gain antenna J type connector
FASC72U	470-512MHz antenna J type connector
FASC73US	450-470MHz stubby antenna for J type connector
IAFASC450US	430-470MHz stubby antenna with a J type connector
Batteries	
BP292UL	2010mAh li-ion intrinsically safe battery
Belt Clips	
MB136	Swivel belt clip for F1000/F3400/F7010/F52D/M85 series
MB96N	Swivel belt hanger to use with belt clip
MBB3	Standard belt clip
Carrying Cases	
LCF1052S	Leather case with swivel belt loop and D-ring for the F52D/F62D
NCF1052C	Nylon case for the F52D/F62D with a clip
Chargers	
BC226	Connectable rapid charger (connect up to 6). Requires AC adapter: BC123S for single use or BC228 for 2+
BC227	Rapid charger that goes into trickle mode at a 80% charge (US Plug)

F52DUL/F62DUL Series

Analog & IDAS Digital Intrinsically Safe Portables

Accessories

Model	Description
BC228	AC adapter for connectable chargers (BC226, BC202IP3, & BC257). Use one BC228 for up to 4 BC257's, 6 BC202IP3 or BC226 chargers.
CP23L	12V cigarette lighter cable for use with rapid chargers
Microphones	
HM184UL	14-pin intrinsically safe approved waterproof speaker mic (no accessory jack)
Miscellaneous	
ISL-AK25K	Add 25kHz into the radio
Software & Cables	
CSF52D	USB programming software for the F52D/F62D
CSOTPM1	Over-the-air programming (OTAP) manager software
OPC1870	Radio to radio cloning cable between two 14-pin connector portable radios
OPC2338	14-pin programming cable plus transparent data transfer
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels
QCS-LM100	Digital LM software – Requires radio model, firmware version, contact name, and email on order.
Trunking	
ISL-UGMTR	Type D trunking license for single and multi-site trunking

F3400D – F4400D Series

VHF UHF Digital Portable

SPECS

Frequencies:	136-174, 380-470, 450-512MHz
Output Power:	5W
Channels:	32 channels w/2 zones (F3400D), 1024 channels w/128 zones (F3400DS/DT)
Channel Spacing:	12.5 & 6.25kHz
Mil Spec:	C, D, E, F, G
Weight:	12.0oz (w/BP-284)
Waterproof Rating:	IP68
Versions:	With full keypad With simple keypad Without LCD and front keypad



FEATURES

General Features

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

Digital Features

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

COMES WITH

Battery Pack (BP-284)
Belt clip (MB-133)
Antenna & charger purchased separately
Owner's manual
Warranty: 3 years

ANALOG SIGNALING

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

ENCRYPTION

AES/DES UT-134
Over-the-Air Rekeying (requires CSOTAR1 software)



MULTITRUNK



IDAS™
ICOM DIGITAL ADVANCED SYSTEM

F3400D – F4400D Series

VHF UHF Digital Portable

Configurations

Model	Description
F3400DS 51 USA	136–174MHz IDAS portable, 1024 channels, color display. Antenna and charger sold separately.
F3400DT 41 USA	136–174MHz IDAS portable with 1024 channels, color display, and full DTMF keypad. Antenna and charger sold separately.
F4400DS 81 USA	380-470MHz IDAS portable, 1024 channels, color display. Antenna and charger sold separately.
F4400DT 71 USA	380-470MHz IDAS portable with 1024 channels, color display, and full DTMF keypad. Antenna and charger sold separately.
F4400DS 43 USA	450-512MHz IDAS portable, 1024 channels, color display. Antenna and charger sold separately.
F4400DT 33 USA	450-512MHz IDAS portable with 1024 channels, color display, and full DTMF keypad. Antenna and charger sold separately.

Accessories

Model	Description
Antennas	
FAS67VC	136-174MHz cut antenna - F3400/F7010/F9011
FAS76UC	380-520MHz cut antenna for F4400/F9021
FAS81U	380-430MHz antenna for F4400
FAS81US	400-450MHz stubby antenna for F4400
FAS81V	136-150MHz antenna for F3400/F7010/F9011
FAS82U	430-480MHz antenna for F4400
FAS82US	450-490MHz stubby antenna for F4400
FAS82V	148-162MHz antenna
FAS82VS	148-162MHz stubby antenna
FAS83U	470-520MHz antenna for F4400
FAS83V	160-174MHz antenna for F3400
Batteries	
BP284	Li-ion 7.4V 3350mAh (typical capacity), 3200mAh (minimum value)
BP305	Battery case AA x5
Belt Clips	
MB133	Alligator type belt clip
MB136	Swivel belt clip for F1000/F3400/F7010/F52D/M85 series
MB96N	Swivel belt hanger to use with belt clip
Cables	
IAOPC1003	USB to micro-USB 3ft cable
Carrying Cases	
LCF1035SW	Leather case with swivel belt loop and D-ring; display cutout for the F3400DS & F7010S
LCF1036SW	Leather case with swivel belt loop and D-ring; display & full keypad cutout for the F3400DT & F7010T
NCF1035C	Nylon case with metal clip with display cutout; F3400DS/F7010S
NCF1036C	Nylon case with metal clip with full keypad cutout; F3400DT/F7010T

F3400D – F4400D Series

VHF UHF Digital Portable

Accessories

Model	Description
Chargers	
AD132N	Adapter cup for the BC214-1/E for use with the BP284/BP290/BP303
BC123SA	Straight-angle AC adapter for rapid chargers; 100-240V with US style plug
BC123SE	AC adapter for rapid chargers; 100-240V with Euro style plug
BC157S	AC adapter for gang chargers; 100-240V with US style plug
BC157SE	AC adapter for gang chargers; 100-240V with Euro style plug
BC214-1	Six unit charger for radios with the BP284/BP290/BP303 battery (AD132N cup); includes AC adapter with US plug
BC214-1E	Six unit charger for radios with the BP284/BP290/BP303 battery (AD132N cup); includes AC adapter with EURO plug
BC219E	Rapid charger for radios with the BP283/BP28/BP290/BP294 batteries; 100-240V with a Euro style plug
BC219N	Rapid charger for radios with the BP283/BP284/BP294; 100-240V with a US style plug
BC225	Smart rapid charger; 100-240V with a US style plug
BC226	Connectable rapid charger (connect up to 6). Requires AC adapter: BC123S for single use or BC228 for 2+
BC228	AC adapter for connectable chargers (BC226, BC202IP3, & BC257). Use one BC228 for up to 4 BC257's, 6 BC202IP3 or BC226 chargers.
CP23L	12V cigarette lighter cable for use with rapid chargers
IABC1019	Heavy duty vehicular charger
SS BC62	Mobile rapid charger with cigarette adapter for the F3400 & F7010 series
Encryption & Internal Modules	
CSKLD2 12 EXP	Encryption key loader software for F3400/F5400 series
INSTALL-MF	Install a component or license into an LM mobile or portable
ISL-AKAES	AES activation code for F3400/F5400 series
UT134	AES/DES encryption board; requires ISL code to activate AES
Headsets	
HS94	Earpiece headset; use with VS/OPC2004/OPC2006/OPC1392
HS95	Headset with boom mic; use with VS/OPC2004/OPC2006/OPC1392
HS97	Earphone with throat mic headset; use with VS/OPC2004/OPC2006/OPC1392
Microphones	
HM184H	14-pin loud waterproof speaker mic (no accessory jack)
HM222H	IP68 waterproof speaker microphone w/3.5mm accessory jack (14-pin connector)
HM-HD7I6WP	Large waterproof, high gain speaker microphone with 3.5mm accessory jack (14-pin connector)
IAHM600	Heavy duty Bluetooth speaker microphone with loud audio, water/dust resistant & 40+ hours of talk time (charger included)
SP27	Acoustic tube earphone with a clip (3.5mm)
SP29	Earhook type earphone with 3.5mm plug
SP40	Earphone with 3.5mm plug
SP-AT1	Single pin listen only w/QD acoustic tube (9", 3.5mm L-shape)
Miscellaneous	
AD118	14-pin ACC adapter to use with Hirose plug accessories
EXTWARR811	1 year extended warranty

F3400D – F4400D Series

VHF UHF Digital Portable

Accessories

Model	Description
EXTWARR812	2 year extended warranty
EXTWARR813	3 year extended warranty
ISL-AK25K	Add 25kHz into the radio
ISL-AKSTM	Add front panel programming/tactical group functions
ISL-CHEX	Memory channel expansion (4000 CH)
MSD CARD	32GB micro SD card
Software & Cables	
CSF3400D	Programming software for the F3400D/F5400D series
CSOTPM1	Over-the-air programming (OTAP) manager software
OPC1870	Radio to radio cloning cable between two 14-pin connector portable radios
OPC2338	14-pin programming cable plus transparent data transfer
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels
QCS-LM100	Digital LM software – Requires radio model, firmware version, contact name, and email on order.
Trunking	
ISL-UGMTR	Type D trunking license for single and multi-site trunking

F7010 – F7020 – F7040 Series

P25 Conventional & Analog Portables

SPECS

Frequencies:	136-174, 380-470, 450-512, 769-775, 851-869MHz
Output Power:	5W
Channels:	1024 w/128 zones
Channel Spacing:	12.5kHz
Display:	High resolution color LCD
Mil Spec:	C, D, E, F & G
Waterproof Rating:	IP68
Weight:	12.5oz



FEATURES

General Features:

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

P25 Digital Features:

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

COMES WITH

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

ENCRYPTION

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

SIGNALING

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

F7010 – F7020 – F7040 Series

P25 Conventional & Analog Portables

Configurations

Model	Description
F7010S 13 USA	136–174MHz P25 conventional portable with limited keypad. Antenna and charger sold separately.
F7010T 23 USA	136–174MHz P25 conventional portable with full keypad. Antenna and charger sold separately.
F7020S 51 USA	380-470MHz P25 conventional portable with limited keypad. Antenna and charger sold separately.
F7020S 71 USA	450-512MHz P25 conventional portable with limited keypad. Antenna and charger sold separately.
F7020T 41	450-512MHz P25 conventional portable with full keypad. Antenna and charger sold separately.
F7040S 31 USA	7/800MHz P25 conventional portable with limited keypad.

Accessories

Model	Description
Antennas	
FAS100U	7/800MHz antenna
FAS67VC	136-174MHz cut antenna - F3400/F7010/F9011
FAS76UC	380-520MHz cut antenna for F4400/F9021
FAS81U	380-430MHz antenna for F4400
FAS81US	400-450MHz stubby antenna for F4400
FAS81V	136-150MHz antenna for F3400/F7010/F9011
FAS82U	430-480MHz antenna for F4400
FAS82US	450-490MHz stubby antenna for F4400
FAS82V	148-162MHz antenna
FAS82VS	148-162MHz stubby antenna
FAS83U	470-520MHz antenna for F4400
FAS83V	160-174MHz antenna for F3400
GAL 06026	VHF Wideband 136-174MHz Helical Antenna.
Batteries	
BP284	Li-ion 7.4V 3350mAh (typical capacity), 3200mAh (minimum value)
BP305	Battery case AA x5
Belt Clips	
MB133	Alligator type belt clip
MB136	Swivel belt clip for F1000/F3400/F7010/F52D/M85 series
MB96N	Swivel belt hanger to use with belt clip
Cables	
IAOPC1003	USB to micro-USB 3ft cable
OPC2525	Link Layer Authentication (LLA) key loading cable for KVL4000 and KVL5000
Carrying Cases	
LCF1035SW	Leather case with swivel belt loop and D-ring; display cutout for the F3400DS & F7010S
LCF1036SW	Leather case with swivel belt loop and D-ring; display & full keypad cutout for the F3400DT & F7010T
NCF1035C	Nylon case with metal clip with display cutout; F3400DS/F7010S

F7010 – F7020 – F7040 Series

P25 Conventional & Analog Portables

Accessories

Model	Description
NCF1036C	Nylon case with metal clip with full keypad cutout; F3400DT/F7010T
Chargers	
AD132N	Adapter cup for the BC214-1/E for use with the BP284/BP290/BP303
BC123SA	Straight-angle AC adapter for rapid chargers; 100-240V with US style plug
BC123SE	AC adapter for rapid chargers; 100-240V with Euro style plug
BC157S	AC adapter for gang chargers; 100-240V with US style plug
BC157SE	AC adapter for gang chargers; 100-240V with Euro style plug
BC214-1	Six unit charger for radios with the BP284/BP290/BP303 battery (AD132N cup); includes AC adapter with US plug
BC214-1E	Six unit charger for radios with the BP284/BP290/BP303 battery (AD132N cup); includes AC adapter with EURO plug
BC219E	Rapid charger for radios with the BP283/BP28/BP290/BP294 batteries; 100-240V with a Euro style plug
BC219N	Rapid charger for radios with the BP283/BP284/BP294; 100-240V with a US style plug
BC225	Smart rapid charger; 100-240V with a US style plug
CP23L	12V cigarette lighter cable for use with rapid chargers
IABC1019	Heavy duty vehicular charger
SS BC62	Mobile rapid charger with cigarette adapter for the F3400 & F7010 series
Encryption & Internal Modules	
CSKLD250P	AES/DES Encryption key loader software for IC-F7000/IC-F7500 series
INSTALL-MF	Install a component or license into an LM mobile or portable
ISL-P25AES/ARC4	License enables AES and ARC4 in P25 radios (requires UT134 or UT125 FIPS-2)
OPC-IAKVL14	Interface Cable with 14 Pin Connector between P25 portable & KA KVL125
UT125 FIPS-2	FIPS 140-2 encryption board; requires ISL-P25AES license key to activate AES
UT134	AES/DES encryption board; requires ISL code to activate AES
Headsets	
HS94	Earpiece headset; use with VS/OPC2004/OPC2006/OPC1392
HS95	Headset with boom mic; use with VS/OPC2004/OPC2006/OPC1392
HS97	Earphone with throat mic headset; use with VS/OPC2004/OPC2006/OPC1392
VS3	Compact lapel PTT Bluetooth with earphone w/3.5mm jack
Microphones	
HM184H	14-pin loud waterproof speaker mic (no accessory jack)
HM222H	IP68 waterproof speaker microphone w/3.5mm accessory jack (14-pin connector)
HM-HD7I6WP	Large waterproof, high gain speaker microphone with 3.5mm accessory jack (14-pin connector)
IAHM600	Heavy duty Bluetooth speaker microphone with loud audio, water/dust resistant & 40+ hours of talk time (charger included)
SP27	Acoustic tube earphone with a clip (3.5mm)
SP29	Earhook type earphone with 3.5mm plug
SP40	Earphone with 3.5mm plug
SP-AT1	Single pin listen only w/QD acoustic tube (9", 3.5mm L-shape)
Miscellaneous	
AD118	14-pin ACC adapter to use with Hirose plug accessories

F7010 – F7020 – F7040 Series

P25 Conventional & Analog Portables

Accessories

Model	Description
EXTWARR811	1 year extended warranty
EXTWARR812	2 year extended warranty
EXTWARR813	3 year extended warranty
ISL-P25DS	P25 packet data service (GPS/text) license
ISL-P25FP	Front panel programming
ISL-P25VS	P25 conventional voting scan license
ISL-P25W	Enable 25kHz in the F7010/F7510 radios
Software & Cables	
IAOPC1871	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
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
IASKF7S	Accessory Advanced System Key (AASK) USB dongle required for programming P25 trunking parameters. Note: shipped unprogrammed; requires P25 trunking system owner to program
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.
OPC1870	Radio to radio cloning cable between two 14-pin connector portable radios
OPC2338	14-pin programming cable plus transparent data transfer
OPC2362	Handheld to mobile zone copy cable (14-pin to 10-pin DIM)
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels
Trunking	
ISL-P25P2	P25 Phase 2 trunking license (Phase 1 license required)
ISL-P25TR	P25 Phase 1 trunking license

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



F5011 - F6011 Series

Basic Analog Mobiles

Configurations

Model	Description
F5011 66 USA	136-174MHz 50W analog mobile
F6011 66 USA	400-470MHz 45W analog mobile
F6011 67 USA	450-512MHz 45W analog mobile

Accessories

Model	Description
ENGRAVE	Engrave radio
EXTWARR211	1 year extended warranty for a total 3 years
EXTWARR212	2 year extended warranty for a total 4 years
EXTWARR213	3 year extended warranty for a total 5 years

Antennas

ANTENNA 1	118-940MHz 1/4 wave antenna, unity gain, field tunable
ANTENNA 3	450-470MHz 5dB gain mountable antenna, CHR, 40" high
ANTENNA 4	152-162MHz, unity gain antenna, NMO compatible, 21.6". Factory tuned to 157MHz
ANTENNA 5	430-470MHz unity 1/4, wavechrome nut antenna, NMO base

Cables

OPC1132	DC power cable (9.8ft) with 2-pin T connector.
OPC1939	D-Sub 15-pin ACC cable. Connects with a PC, external speaker, external channel control, ignition sense line or vehicle horn
OPC2078	D-Sub 25-pin ACC cable. Connects with a PC, external speaker, external channel control, ignition sense line or vehicle horn
OPC2500	2 m, 6.56 ft extension cable for HM-249
OPC440	Microphone extension cable (RJ-45 M/F) (16.4ft)

External Speakers

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

Microphones

HM148G	Self grounding microphone for mobile radios
HM148T	DMTF mobile microphone
HM152	Microphone for low/mid range mobile radios
SM26	Desktop microphone with monitor switch for mobile radios

Mounting Hardware

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

Power Supplies

CONTROL STATION ASSEMBLE	Install mobile into power supply and cabinet to make control station
IAPS04	110V power supply and cabinet for control station use for F5011/5021/F5121/F5220

Software & Cables

CSF3021/F5021/F5011	USB programming software for the F3021/5021/5011 series
OPC2344	PC to mobile radio programming cloning cable with USB connector.

F5011 - F6011 Series

Basic Analog Mobiles

Accessories

Model	Description
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels
QCS-LM100	Digital LM software – Requires radio model, firmware version, contact name, and email on order.

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

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



F5021 - F6021 Series

Advanced Analog Mobiles

Configurations

Model	Description
F5021 66 USA	136-174MHz 50W analog mobile
F6021 56 USA	400-470MHz 45W analog mobile
F6021 57 USA	450-512MHz 45W analog mobile

Accessories

Model	Description
ENGRAVE	Engrave radio
EXTWARR211	1 year extended warranty for a total 3 years
EXTWARR212	2 year extended warranty for a total 4 years
EXTWARR213	3 year extended warranty for a total 5 years

Antennas

ANTENNA 1	118-940MHz 1/4 wave antenna, unity gain, field tunable
ANTENNA 3	450-470MHz 5dB gain mountable antenna, CHR, 40" high
ANTENNA 4	152-162MHz, unity gain antenna, NMO compatible, 21.6". Factory tuned to 157MHz

Cables

OPC1132	DC power cable (9.8ft) with 2-pin T connector.
OPC1939	D-Sub 15-pin ACC cable. Connects with a PC, external speaker, external channel control, ignition sense line or vehicle horn
OPC2078	D-Sub 25-pin ACC cable. Connects with a PC, external speaker, external channel control, ignition sense line or vehicle horn
OPC2500	2 m, 6.56 ft extension cable for HM-249
OPC440	Microphone extension cable (RJ-45 M/F) (16.4ft)

External Speakers

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

Microphones

HM148G	Self grounding microphone for mobile radios
HM148T	DMTF mobile microphone
HM152	Microphone for low/mid range mobile radios
SM26	Desktop microphone with monitor switch for mobile radios

Mounting Hardware

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

Power Supplies

CONTROL STATION ASSEMBLE	Install mobile into power supply and cabinet to make control station
IAPS04	110V power supply and cabinet for control station use for F5011/5021/F5121/F5220

Software & Cables

CSF3021/F5021/F5011	USB programming software for the F3021/5021/5011 series
OPC2344	PC to mobile radio programming cloning cable with USB connector.
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels

F5021 - F6021 Series

Advanced Analog Mobiles

Accessories

Model	Description
QCS-LM100	Digital LM software – Requires radio model, firmware version, contact name, and email on order.

F5130D – F6130D Series

Entry-level IDAS™ Mobile Radio

SPECS

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



FEATURES

General Features:

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

Digital Features:

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

COMES WITH

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

F5130D – F6130D Series

Entry-level IDAS™ Mobile Radio

Configurations

Model	Description
F5130D 11 USA	136-174MHz 50W IDAS mobile
F6130D 11 USA	400-512MHz 45W IDAS mobile

Accessories

Model	Description
ENGRAVE	Engrave radio
EXTWARR211	1 year extended warranty for a total 3 years
EXTWARR212	2 year extended warranty for a total 4 years
EXTWARR213	3 year extended warranty for a total 5 years

Antennas

ANTENNA 1	118-940MHz 1/4 wave antenna, unity gain, field tunable
ANTENNA 3	450-470MHz 5dB gain mountable antenna, CHR, 40" high
ANTENNA 4	152-162MHz, unity gain antenna, NMO compatible, 21.6". Factory tuned to 157MHz
ANTENNA 5	430-470MHz unity 1/4, wavechrome nut antenna, NMO base

Cables

OPC1939	D-Sub 15-pin ACC cable. Connects with a PC, external speaker, external channel control, ignition sense line or vehicle horn
OPC2078	D-Sub 25-pin ACC cable. Connects with a PC, external speaker, external channel control, ignition sense line or vehicle horn
OPC2478	DC power cable for the IC-F5330D and IC-5130D series
OPC2500	2 m, 6.56 ft extension cable for HM-249

External Speakers

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

Microphones

HM148G	Self grounding microphone for mobile radios
HM148T	DMTF mobile microphone
HM152	Microphone for low/mid range mobile radios
SM26	Desktop microphone with monitor switch for mobile radios

Mounting Hardware

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

Power Supplies

CONTROL STATION ASSEMBLE	Install mobile into power supply and cabinet to make control station
IAPS14	Power supply cover for control station for the F5130D series. (13.8VDC, 12A)

Software & Cables

OPC2344	PC to mobile radio programming cloning cable with USB connector.
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels
QCS-LM100	Digital LM software – Requires radio model, firmware version, contact name, and email on order.

F5330D – F6330D Series

Black Box IDAS™ Mobile Radio

SPECS

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



FEATURES

General Features:

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

Digital Features:

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

COMES WITH

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

F5330D – F6330D Series

Black Box IDAS™ Mobile Radio

Configurations

Model	Description
F5330D 16 USA	136-174MHz 50W black box IDAS mobile radio with 128 channels and CommandMic

Accessories

Model	Description
Antennas	
ANTENNA 1	118-940MHz 1/4 wave antenna, unity gain, field tunable
ANTENNA 3	450-470MHz 5dB gain mountable antenna, CHR, 40" high
ANTENNA 4	152-162MHz, unity gain antenna, NMO compatible, 21.6". Factory tuned to 157MHz
ANTENNA 5	430-470MHz unity 1/4, wavechrome nut antenna, NMO base
Cables	
OPC1939	D-Sub 15-pin ACC cable. Connects with a PC, external speaker, external channel control, ignition sense line or vehicle horn
OPC2078	D-Sub 25-pin ACC cable. Connects with a PC, external speaker, external channel control, ignition sense line or vehicle horn
OPC2478	DC power cable for the IC-F5330D and IC-5130D series
External Speakers	
SP30	20W large external speaker
SP35	5W external speaker with 3.5mm speaker jack and 2m cable
Miscellaneous	
EXTWARR811	1 year extended warranty
EXTWARR812	2 year extended warranty
EXTWARR813	3 year extended warranty
Mounting Hardware	
MOUNT 1	NMO Permanent Mount, 17ft RG58 cable, PL259 connector
MOUNT 3	Black Magnetic Mount - 3 1/4" diameter, 12ft RG58 cable w/PL259 connector
Software & Cables	
OPC478UD	USB programming cable (2-pin connectors handhelds)
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels
QCS-LM100	Digital LM software – Requires radio model, firmware version, contact name, and email on order.

F5220D - F6220D Series

IDAS Trunking Mobiles

SPECS

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



FEATURES

General Features:

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

Digital Features:

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

COMES WITH

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



F5220D - F6220D Series

IDAS Trunking Mobiles

Configurations

Model	Description
F5220D 16 USA	136-174MHz 50W IDAS trunking mobile
F6220D 16 USA	400-470MHz 45W IDAS trunking mobile

Accessories

Model	Description
ENGRAVE	Engrave radio
EXTWARR211	1 year extended warranty for a total 3 years
EXTWARR212	2 year extended warranty for a total 4 years
EXTWARR213	3 year extended warranty for a total 5 years

Antennas

ANTENNA 1	118-940MHz 1/4 wave antenna, unity gain, field tunable
ANTENNA 3	450-470MHz 5dB gain mountable antenna, CHR, 40" high
ANTENNA 4	152-162MHz, unity gain antenna, NMO compatible, 21.6". Factory tuned to 157MHz

Cables

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

External Speakers

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

Microphones

HM148G	Self grounding microphone for mobile radios
HM148T	DMTF mobile microphone
HM152	Microphone for low/mid range mobile radios
SM26	Desktop microphone with monitor switch for mobile radios

Mounting Hardware

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

Power Supplies

CONTROL STATION ASSEMBLE	Install mobile into power supply and cabinet to make control station
IAPS04	110V power supply and cabinet for control station use for F5011/5021/F5121/F5220

Software & Cables

CSF3210D	USB programming software for the F3210D/4210D, F3230D/4230D & F5220D/6220D
OPC2344	PC to mobile radio programming cloning cable with USB connector.
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels
QCS-LM100	Digital LM software – Requires radio model, firmware version, contact name, and email on order.

F5400D – F6400D Series

VHF UHF Digital Mobile

SPECS

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



FEATURES

General Features

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

Digital Features:

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

COMES WITH

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

ANALOG SIGNALING

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

ENCRYPTION

AES/DES UT-134
Over-the-Air Rekeying (requires CSOTRAR1 software)

MULTITRUNK

IDAS
ICOM DIGITAL ADVANCED SYSTEM

Meets
MIL-STD 810

MDC 1200
Compatible

F5400D – F6400D Series

VHF UHF Digital Mobile

Configurations

Model	Description
F5400D 31 USA	136-174MHz IDAS mobile with color display and Bluetooth
F6400D 56 USA	380-470MHz IDAS mobile with color display, no Bluetooth
F6400D 71 USA	450-512MHz IDAS mobile with color display and Bluetooth

Accessories

Model	Description
ENGRAVE	Engrave radio
Antennas	
ANTENNA 5	430-470MHz unity 1/4, wavechrome nut antenna, NMO base
UX241	GPS antenna
Cables	
IAOPC054	Cable to wire the F5400/F6400 to an external speaker
IAOPC1003	USB to micro-USB 3ft cable
Encryption & Internal Modules	
CSKLD2 12 EXP	Encryption key loader software for F3400/F5400 series
ISL-AKAES	AES activation code for F3400/F5400 series
UT134	AES/DES encryption board; requires ISL code to activate AES
External Speakers	
SP30	20W large external speaker
SP35	5W external speaker with 3.5mm speaker jack and 2m cable
Microphones	
HM220	Heavy duty microphone (IP54) for the F5400 series
HM220T	Heavy duty microphone with DTMF keypad (IP54) for the F5400 series
HM258T	DTMF mobile mic with backlit keypad, IP54 rated, for 10-pin mobile connectors
SM29	Desktop microphone for F5400 series
Miscellaneous	
EXTWARR811	1 year extended warranty
EXTWARR812	2 year extended warranty
EXTWARR813	3 year extended warranty
ISL-AK25K	Add 25kHz into the radio
ISL-AKSTM	Add front panel programming/tactical group functions
ISL-CHEX	Memory channel expansion (4000 CH)
MSD CARD	32GB micro SD card
Power Supplies	
CONTROL STATION ASSEMBLE	Install mobile into power supply and cabinet to make control station
IAPS12	Power supply with cover for control station (120VAC; 20A)
Remote Mounting	
HM218	Secondary remote control microphone, COMMANDMIC, for the F5400D/F6400D. Requires RMK5 + OPC2373 or OPC2374.

F5400D – F6400D Series

VHF UHF Digital Mobile

Accessories

Model	Description
OPC2364	1.9m/6.2ft separation cable for RMK5/RMK7
OPC2365	3m/9.8ft separation cable for RMK5/RMK7
OPC2366	5m/16.4ft separation cable for RMK5/RMK7
OPC2367	8m/26.2ft separation cable for RMK5/RMK7
OPC2373	1.9m/6.2ft separation cable for HM218
OPC2374	8m/26.2ft separation cable for HM218
OPC2539	59ft separation cable for the RMK5/RMK7
RMK5 31	Remote mount kit for IC-F5400D / F7500 series
RMK7 32	Dual head/seperation kit for the IC-F5400D/F7500 series
Software & Cables	
CSF3400D	Programming software for the F3400D/F5400D series
CSOTPM1	Over-the-air programming (OTAP) manager software
OPC2362	Handheld to mobile zone copy cable (14-pin to 10-pin DIM)
OPC2363	10-pin DIM programming cable
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels
QCS-LM100	Digital LM software – Requires radio model, firmware version, contact name, and email on order.
Trunking	
ISL-UGMTR	Type D trunking license for single and multi-site trunking

F7510 – F7520 – F7540 Series

P25 Conventional & Analog Mobiles

SPECS

Frequencies:	136-174, 380-470, 450-512, 769-775, 851-869MHz
Output Power:	50W (VHF); 45W (UHF)
Channels:	1024 w/128 zones
Channel Spacing:	12.5kHz
Display:	High resolution color LCD
Programmable Keys:	7
Mil Spec:	C, D, E, F & G
Waterproof Rating:	IP55
Weight:	3.3lb



FEATURES

General Features:

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

P25 Digital Features:

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

COMES WITH

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

ENCRYPTION

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

SIGNALING

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

F7510 – F7520 – F7540 Series

P25 Conventional & Analog Mobiles

Configurations

Model	Description
F7510 13 USA	136-174MHz P25 conventional mobile with color display
F7520 11	380-470MHz P25 conventional mobile with color display
F7520 23 USA	450-512MHz P25 conventional mobile with color display
F7540	700/800MHz P25 conventional mobile with color display

Accessories

Model	Description
ENGRAVE	Engrave radio
Antennas	
ANTENNA 5	430-470MHz unity 1/4, wavechrome nut antenna, NMO base
UX241	GPS antenna
Cables	
IAOPC1003	USB to micro-USB 3ft cable
OPC1132	DC power cable (9.8ft) with 2-pin T connector.
OPC2525	Link Layer Authentication (LLA) key loading cable for KVL4000 and KVL5000
Encryption & Internal Modules	
CSKLD250P	AES/DES Encryption key loader software for IC-F7000/IC-F7500 series
IAOPC1076	F7500 mobile adapter cable to use with the KVL125 keyloader. Requires the OPC-IAKVL1 cable and a 5610000510 RJ45 female-to-female adapter. Motorola KVL3000, KVL4000 and/or KVL5000 keyloaders requires the OPC1534, 8920001690 and 5610000510.
INSTALL-MF	Install a component or license into an LM mobile or portable
ISL-P25AES/ARC4	License enables AES and ARC4 in P25 radios (requires UT134 or UT125 FIPS-2)
UT125 FIPS-2	FIPS 140-2 encryption board; requires ISL-P25AES license key to activate AES
UT134	AES/DES encryption board; requires ISL code to activate AES
External Speakers	
SP30	20W large external speaker
SP35	5W external speaker with 3.5mm speaker jack and 2m cable
Headsets	
VS3	Compact lapel PTT Bluetooth with earphone w/3.5mm jack
Microphones	
HM220	Heavy duty microphone (IP54) for the F5400 series
HM220T	Heavy duty microphone with DTMF keypad (IP54) for the F5400 series
HM258T	DTMF mobile mic with backlit keypad, IP54 rated, for 10-pin mobile connectors
SM29	Desktop microphone for F5400 series
Miscellaneous	
EXTWARR811	1 year extended warranty
EXTWARR812	2 year extended warranty
EXTWARR813	3 year extended warranty
ISL-P25DS	P25 packet data service (GPS/text) license
ISL-P25FP	Front panel programming
ISL-P25VS	P25 conventional voting scan license

F7510 – F7520 – F7540 Series

P25 Conventional & Analog Mobiles

Accessories

Model	Description
ISL-P25W	Enable 25kHz in the F7010/F7510 radios
Power Supplies	
CONTROL STATION ASSEMBLE	Install mobile into power supply and cabinet to make control station
IAPS12	Power supply with cover for control station (120VAC; 20A)
Remote Mounting	
HM218	Secondary remote control microphone, COMMANDMIC, for the F5400D/F6400D. Requires RMK5 + OPC2373 or OPC2374.
OPC2364	1.9m/6.2ft separation cable for RMK5/RMK7
OPC2365	3m/9.8ft separation cable for RMK5/RMK7
OPC2366	5m/16.4ft separation cable for RMK5/RMK7
OPC2367	8m/26.2ft separation cable for RMK5/RMK7
OPC2373	1.9m/6.2ft separation cable for HM218
OPC2374	8m/26.2ft separation cable for HM218
OPC2539	59ft separation cable for the RMK5/RMK7
RMK5 31	Remote mount kit for IC-F5400D / F7500 series
RMK7 32	Dual head/seperation kit for the IC-F5400D/F7500 series
Software & Cables	
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
IASKF7S	Accessory Advanced System Key (AASK) USB dongle required for programming P25 trunking parameters. Note: shipped unprogrammed; requires P25 trunking system owner to program
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.
OPC2362	Handheld to mobile zone copy cable (14-pin to 10-pin DIM)
OPC2363	10-pin DIM programming cable
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels
Trunking	
ISL-P25P2	P25 Phase 2 trunking license (Phase 1 license required)
ISL-P25TR	P25 Phase 1 trunking license

Data & HF Radio



F8101

HF Transceiver

SPECS

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



FEATURES

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

COMES WITH

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



IP54
DUST PROTECTION
& SPLASH PROOF

F8101

HF Transceiver

Configurations

Model	Description
F8101 33	HF 125W transceiver with ALE (automatic link establishment)

Accessories

Model	Description
EXTWARR912	1 year extended warranty
EXTWARR913	2 year extended warranty
EXTWARR914	3 year extended warranty
Antenna Tuners	
AT140	HF automatic antenna tuner
Antennas	
AH740	Relay-driven compact automatic tuning antenna 2.5MHz-29.999MHz
Cables	
OPC2308	GPS/External modem connection cable
OPC2309	Antenna tuner control cable for AT140/AH740 for F8101 (10M or 32.8ft)
External Speakers	
SP30	20W large external speaker
SP35	5W external speaker with 3.5mm speaker jack and 2m cable
GPS	
UX248	GPS unit
Microphones	
HM192	Remote control microphone for F8101 (requires separation cable)
HM193	Hand microphone for the F8101
Miscellaneous	
CFUF8100	Cooling fan unit
Mounting Hardware	
MB126	Mounting bracket for F8101
Remote Mounting	
OPC607	3m/9.8ft separation cable for remote mounting kits
OPC609	1.9m/6.2ft separation cable for remote mounting kits
OPC726	5m/16.4ft separation cable for remote mounting kits
RMK6	Remote mount kit for the F8101. Separation cable sold separately.
Software & Cables	
CSF8101	USB programming software for the F8101. *Use a generic USB "A" to "B" cable to program radio.*
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels

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

X-BAND Repeater

Cross Band VHF & UHF

Configurations

Model	Description
IAS X-BAND 50	VHF FM & UHF FM cross band repeater
IAS X-BAND 50 AIR U	Airband AM & UHF FM cross band repeater
IAS X-BAND 50 AIR V	Airband AM & VHF FM cross band repeater
IAS X-BAND 50 UU	UHF FM & UHF FM cross band repeater
IAS X-BAND 50 VV	VHF FM & VHF FM cross band repeater

Accessories

Model	Description
EXTWARRPT1	1 year extended warranty for a total 3 years
EXTWARRPT2	2 year extended warranty for a total 4 years
EXTWARRPT3	3 year extended warranty for a total 5 years
Microphones	
HM152	Microphone for low/mid range mobile radios
HM216	Microphone for A120
HM217	Microphone with built-in speaker and front panel includes up/down buttons and two programmable buttons (P1/P2)
SM26	Desktop microphone with monitor switch for mobile radios
Software & Cables	
CSF3021/F5021/F5011	USB programming software for the F3021/5021/5011 series
PROG-IAS	Icom to program repeaters with provided icf file or add in basic frequencies

CY5300 – CY6300 Repeaters

All In One IDAS™ Digital & Analog Repeater

SPECS

Frequencies:	136-174, 400-470, 450-512MHz
Output Power:	50W at 50% duty cycle 25W at 100% duty cycle
Channels:	32
Channel Spacing:	6.25 (digital) / 12.5kHz



SPECS & FEATURES

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

Digital Features

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

SIGNALING

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

MULTITRUNK

IDAS
ICOM DIGITAL ADVANCED SYSTEM

CY5300 – CY6300 Repeaters

All In One IDAS™ Digital & Analog Repeater

Configurations

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

Accessories

Model	Description
INSTALL-IAS	Install a component into a repeater or an item into a cabinet
Antennas	
UX241	GPS antenna
Duplexers	
IASDUP1001	136-148 6 cavity 50W internal duplexer, 3MHz TX-RX separation
IASDUP1002	148-160 6 cavity 50W internal duplexer, 3MHz TX-RX separation
IASDUP1003	160-174 6 cavity 50W internal duplexer, 3MHz TX-RX separation
IASDUP1004	136-148 6 cavity 50W internal duplexer, 5MHz TX-RX separation
IASDUP1005	148-160 6 cavity 50W internal duplexer, 5MHz TX-RX separation
IASDUP1006	160-174 6 cavity 50W internal duplexer, 5MHz TX-RX separation
IASDUP1007	136-148 6 cavity 50W internal duplexer, 10MHz TX-RX separation
IASDUP1008	148-160 6 cavity 50W internal duplexer, 10MHz TX-RX separation
IASDUP1010	144-190MHz 6 cavity 100W duplexer with 3MHz minimum TX-RX separation
IASDUP1015	152-175MHz 50W internal duplexer (6-15MHz minimum separation)
IASDUP1036	400-440 6 cavity 50W internal duplexer, 5MHz TX-RX separation
IASDUP1037	440-470 6 cavity 50W internal duplexer, 5MHz TX-RX separation
IASDUP1038	470-490 6 cavity 50W internal duplexer, 5MHz TX-RX separation
IASDUP1040	400-440 6 cavity 50W internal duplexer, 10MHz TX-RX separation
IASDUP1041	440-470 6 cavity 50W internal duplexer, 10MHz TX-RX separation
IASDUP1042	470-490 6 cavity 50W internal duplexer, 10MHz TX-RX separation
IASDUP1043	490-512 6 cavity 50W internal duplexer, 10MHz TX-RX separation
IASDUP50CY	CY5300/6300 internal duplexer assembly kit including RF jumpers and screws
IP Linking	
CFFR5000 02	Multi-site (conventional only) IP repeater link card (requires UC-FR5000 or UCFR5300 board)
CFFR5000MT	Multi-site (conventional & trunking) IP repeater link card (requires UC-FR5000 or UCFR5300 board)
CFFR5300SC	Simulcast IP repeater link card (requires UC-FR5300)
Microphones	
HM152	Microphone for low/mid range mobile radios
SM26	Desktop microphone with monitor switch for mobile radios
Power Amplifiers	
IASPA500	136-174MHz 100W out, 2-5W in, 4RU power amplifier; 19" rack mountable
IASPA540	403-512MHz 100W out, 2-5W in, 4RU power amplifier 19" rack-mountable
IASPA550	450-512MHz 100W out, 2-5W in, 4RU power amplifier 19" rack-mountable

CY5300 – CY6300 Repeaters

All In One IDAS™ Digital & Analog Repeater

Accessories

Model	Description
Power Equipment & Rack Mounting	
IASDP1001	DC distribution panel 12/24VDC with remote power control and SNMP. It can manage up to 12 loads.
IASMNT1105	Battery charger rackmount kit holds 1 to 2 chargers
IASPS1022	12v/30A power supply/battery charger - 1RU rack mountable with IASMNT1105
IASPS1220	20A power supply 13.8VDC; requires tray for use in rack (IASMNT1102)
Pre-Selectors	
IASPR1001	136-150MHz 4 cavity pre-selector (assembly kit required with FR5000)
IASPR1002	150-174MHz 4 cavity pre-selector (assembly kit required with FR5000)
IASPR1010	400-440MHz 4 cavity pre-selector (assembly kit required with FR6000)
IASPR50FR	FR5000/6000 internal pre-selector assembly kit including RF jumpers, mounting bracket and screws
Remote Communication	
CT23 01	PTT microphone adapter to use SM-26 or HM-152 with a PC. Requires BC-147S.
CT24	Digital voice converter (supplied with RCFS10 and works with VEPG3)
RCFS10 36 EXP	Remote Communicator software + CT-24 (digital voice converter unit - each IDAS system requires 1 CT-24)
Repeaters	
URFR5300 61 USA	136-174MHz analog/digital IDAS repeater channel module
URFR6300 75 USA	450-512MHz Repeater module
URFR6300 81 USA	400-470MHz Repeater module
Software & Cables	
IASTUN1001	Icom to tune your system products
PROG-IAS	Icom to program repeaters with provided icf file or add in basic frequencies
RSMGR1	Remote system manager software for IDAS MultiTrunk
Trunking/Network Controller	
UCFR5300	Trunking/Network controller board (1 per repeater)

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



FR5300 - FR6300 Series

IDAS Repeaters

Configurations

Model	Description
FR5300 21 USA	136-174 MHz analog/digital, 50W, IDAS Simulcast repeater
FR6300 35 USA	450-512MHz analog/digital, 50W, IDAS repeater
FR6300 41 USA	400-470MHz analog/digital, 50W, IDAS repeater

Accessories

Model	Description
EXTWARRPT1	1 year extended warranty for a total 3 years
EXTWARRPT2	2 year extended warranty for a total 4 years
EXTWARRPT3	3 year extended warranty for a total 5 years
INSTALL-IAS	Install a component into a repeater or an item into a cabinet

Antenna Switches

IASANTSW1	Single antenna switch for base station operation
IASANTSW2	Dual antenna switch for base station operation

Antennas

UX241	GPS antenna
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Cables

OPC2390	Cable connecting VEPG4 to FR5000/6000
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Duplexers

IASDUP1001	136-148 6 cavity 50W internal duplexer, 3MHz TX-RX separation
IASDUP1002	148-160 6 cavity 50W internal duplexer, 3MHz TX-RX separation
IASDUP1003	160-174 6 cavity 50W internal duplexer, 3MHz TX-RX separation
IASDUP1004	136-148 6 cavity 50W internal duplexer, 5MHz TX-RX separation
IASDUP1005	148-160 6 cavity 50W internal duplexer, 5MHz TX-RX separation
IASDUP1006	160-174 6 cavity 50W internal duplexer, 5MHz TX-RX separation
IASDUP1007	136-148 6 cavity 50W internal duplexer, 10MHz TX-RX separation
IASDUP1008	148-160 6 cavity 50W internal duplexer, 10MHz TX-RX separation
IASDUP1010	144-190MHz 6 cavity 100W duplexer with 3MHz minimum TX-RX separation
IASDUP1015	152-175MHz 50W internal duplexer (6-15MHz minimum separation)
IASDUP1036	400-440 6 cavity 50W internal duplexer, 5MHz TX-RX separation
IASDUP1037	440-470 6 cavity 50W internal duplexer, 5MHz TX-RX separation
IASDUP1038	470-490 6 cavity 50W internal duplexer, 5MHz TX-RX separation
IASDUP1040	400-440 6 cavity 50W internal duplexer, 10MHz TX-RX separation
IASDUP1041	440-470 6 cavity 50W internal duplexer, 10MHz TX-RX separation
IASDUP1042	470-490 6 cavity 50W internal duplexer, 10MHz TX-RX separation
IASDUP1043	490-512 6 cavity 50W internal duplexer, 10MHz TX-RX separation
IASDUP1044	440-512 6 cavity 100W duplexer with 3MHz minimum TX-RX separation
IASDUP50FR	FR5300/6300 internal duplexer assembly kit including RF jumpers, mounting bracket and screws

External Speakers

SP35	5W external speaker with 3.5mm speaker jack and 2m cable
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FR5300 - FR6300 Series

IDAS Repeaters

Accessories

Model	Description
IP Linking	
CFFR5000 02	Multi-site (conventional only) IP repeater link card (requires UC-FR5000 or UCFR5300 board)
CFFR5000MT	Multi-site (conventional & trunking) IP repeater link card (requires UC-FR5000 or UCFR5300 board)
CFFR5300SC	Simulcast IP repeater link card (requires UC-FR5300)
Microphones	
HM152	Microphone for low/mid range mobile radios
SM26	Desktop microphone with monitor switch for mobile radios
Power Amplifiers	
IASPA500	136-174MHz 100W out, 2-5W in, 4RU power amplifier; 19" rack mountable
IASPA540	403-512MHz 100W out, 2-5W in, 4RU power amplifier 19" rack-mountable
IASPA550	450-512MHz 100W out, 2-5W in, 4RU power amplifier 19" rack-mountable
Power Equipment & Rack Mounting	
IASDP1001	DC distribution panel 12/24VDC with remote power control and SNMP. It can manage up to 12 loads.
IASMNT1105	Battery charger rackmount kit holds 1 to 2 chargers
IASPS1022	12v/30A power supply/battery charger - 1RU rack mountable with IASMNT1105
IASPS1220	20A power supply 13.8VDC; requires tray for use in rack (IASMNT1102)
Pre-Selectors	
IASPR1001	136-150MHz 4 cavity pre-selector (assembly kit required with FR5000)
IASPR1002	150-174MHz 4 cavity pre-selector (assembly kit required with FR5000)
IASPR1010	400-440MHz 4 cavity pre-selector (assembly kit required with FR6000)
IASPR50FR	FR5000/6000 internal pre-selector assembly kit including RF jumpers, mounting bracket and screws
Remote Communication	
CT23 01	PTT microphone adapter to use SM-26 or HM-152 with a PC. Requires BC-147S.
CT24	Digital voice converter (supplied with RCFS10 and works with VEPG3)
RCFS10 36 EXP	Remote Communicator software + CT-24 (digital voice converter unit - each IDAS system requires 1 CT-24)
Repeaters	
URFR5300 61 USA	136-174MHz analog/digital IDAS repeater channel module
URFR6300 75 USA	450-512MHz Repeater module
URFR6300 81 USA	400-470MHz Repeater module
Software & Cables	
CSFR5300	FR5300/6300 programming software
IASTUN1001	Icom to tune your system products
OPC2344	PC to mobile radio programming cloning cable with USB connector.
PROG-IAS	Icom to program repeaters with provided icf file or add in basic frequencies
RSMGR1	Remote system manager software for IDAS MultiTrunk

FR5300 - FR6300 Series

IDAS Repeaters

Accessories

Model	Description
<i>Trunking/Network Controller</i>	
IAS CROSSBAND CONTROLLER	Analog gateway that provides an easy migration path from analog to digital technology
UCFR5300	Trunking/Network controller board (1 per repeater)

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



FR9010 – FR9020 Series

110W Full Duty Cycle P25 Digital Repeater

Configurations

Model	Description
FR9020 11	440-475MHz 100W P25 repeater

Accessories

Model	Description
EXTWARRPT1	1 year extended warranty for a total 3 years
EXTWARRPT2	2 year extended warranty for a total 4 years
EXTWARRPT3	3 year extended warranty for a total 5 years

Antenna Switches

IAS ANTRLY-D	1RU dual antenna switch for FR9010/9020
IAS ANTRLY-S	1RU single antenna switch for FR9010/9020

Duplexers

IASDUP1010	144-190MHz 6 cavity 100W duplexer with 3MHz minimum TX-RX separation
IASDUP1035	400-512 4 cavity 100W duplexer, 3MHz TX-RX separation

Microphones

HM-9000	Speaker microphone for the FR9010/9020 repeaters
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Miscellaneous

8930091121	Repeater support bracket (FR9010 & FR5200H)
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Power Amplifiers

IASE2PA511	470-490MHz 100W 2RU additional power amplifier (fits next to IASE2PA507 in chassis)
IASPA500	136-174MHz 100W out, 2-5W in, 4RU power amplifier; 19" rack mountable

Power Equipment & Rack Mounting

IASDP1001	DC distribution panel 12/24VDC with remote power control and SNMP. It can manage up to 12 loads.
IASMNT1105	Battery charger rackmount kit holds 1 to 2 chargers
IASPS1022	12v/30A power supply/battery charger - 1RU rack mountable with IASMNT1105
IASPS1220	20A power supply 13.8VDC; requires tray for use in rack (IASMNT1102)

Software & Cables

CSFR9010	USB programming software for the FR9010/9020
PROG-IAS	Icom to program repeaters with provided icf file or add in basic frequencies

Discontinued Radios



F5121D - F6121D Series

IDAS™ Mobiles are discontinued and no longer available from Icom. Icom does still sell the below compatible accessories.

Accessories

Model	Description
Antennas	
ANTENNA 1	118-940MHz 1/4 wave antenna, unity gain, field tunable
ANTENNA 3	450-470MHz 5dB gain mountable antenna, CHR, 40" high
ANTENNA 4	152-162MHz, unity gain antenna, NMO compatible, 21.6". Factory tuned to 157MHz
Cables	
OPC1132	DC power cable (9.8ft) with 2-pin T connector.
OPC1939	D-Sub 15-pin ACC cable. Connects with a PC, external speaker, external channel control, ignition sense line or vehicle horn
OPC2078	D-Sub 25-pin ACC cable. Connects with a PC, external speaker, external channel control, ignition sense line or vehicle horn
OPC2500	2 m, 6.56 ft extension cable for HM-249
OPC440	Microphone extension cable (RJ-45 M/F) (16.4ft)
External Speakers	
SP30	20W large external speaker
SP35	5W external speaker with 3.5mm speaker jack and 2m cable
Microphones	
HM148G	Self grounding microphone for mobile radios
HM148T	DMTF mobile microphone
HM152	Microphone for low/mid range mobile radios
SM26	Desktop microphone with monitor switch for mobile radios
Mounting Hardware	
MOUNT 1	NMO Permanent Mount, 17ft RG58 cable, PL259 connector
MOUNT 3	Black Magnetic Mount - 3 1/4" diameter, 12ft RG58 cable w/PL259 connector
Power Supplies	
IAPS04	110V power supply and cabinet for control station use for F5011/5021/F5121/F5220
Software & Cables	
CSF3101D/F5121D	USB programming software for the F3101D/F5121D series
OPC2344	PC to mobile radio programming cloning cable with USB connector.

F3261DT Series

IDAS non-incendive portables are discontinued and no longer available from Icom. Icom does still sell the below compatible accessories.

Accessories

Model	Description
ENGRAVE	Engrave radio
EXTWARR611	1 year extended warranty
EXTWARR612	2 year extended warranty
EXTWARR613	3 year extended warranty
Antennas	
FASC25V	136-150MHz antenna J type connector
FASC27VS	142-150MHz stubby antenna J type connector
FASC28V	142-162MHz antenna J type connector
FASC29V	160-174MHz antenna J type connector
FASC55V	146-174MHz standard antenna J type connector
FASC56VS	150-160MHz stubby antenna J type connector
FASC57VS	160-174MHz stubby antenna J type connector
FASC61VC	136-174MHz cut antenna for the specific frequency desired
FASC62V	150-160MHz high gain antenna J type connector
FASC63V	155-165MHz high gain antenna J type connector
LARSEN SPHL10160IC	151-163MHz helical ¼ wave antenna center tuned to 157MHz
Batteries	
BP232WP	Li-ion 7.4V 2300mAh (typical capacity), 2250mAh (minimum value) IP67 waterproof battery
Belt Clips	
MB93	Swivel belt clip
MB94	Alligator belt clip
MB94R	Alligator belt clip with long clip that angles the antenna/top of radio off the body
MB96N	Swivel belt hanger to use with belt clip
Carrying Cases	
LCF3261S SWIVEL	Leather carrying case with a swivel clip and cutout for the display for F3261
Chargers	
BC123SA	Straight-angle AC adapter for rapid chargers; 100-240V with US style plug
BC123SE	AC adapter for rapid chargers; 100-240V with Euro style plug
BC157S	AC adapter for gang chargers; 100-240V with US style plug
BC157SE	AC adapter for gang chargers; 100-240V with Euro style plug
BC160	Rapid charger for radios with the BP230/231/232 battery; 100-240V with a US style plug
BC160E	Rapid charger for radios with the BP230/231/232 battery; 100-240V with a Euro style plug
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
CP23L	12V cigarette lighter cable for use with rapid chargers
MB130	Vehicle charger bracket holds rapid charger; requires cigarette lighter cable
SS BC61	Mobile rapid charger with cigarette adapter for the F3161 & F3261 series
Headsets	
HS94	Earpiece headset; use with VS/OPC2004/OPC2006/OPC1392
HS95	Headset with boom mic; use with VS/OPC2004/OPC2006/OPC1392

Accessories

Model	Description
HS97	Earphone with throat mic headset; use with VS/OPC2004/OPC2006/OPC1392
Microphones	
HM184H	14-pin loud waterproof speaker mic (no accessory jack)
HM-HD7I6WP	Large waterproof, high gain speaker microphone with 3.5mm accessory jack (14-pin connector)
IMPACT HD3-I6	Lightweight heavy duty use speaker mic with 3.5mm accessory jack (14-pin connector)
SP-AT1	Single pin listen only w/QD acoustic tube (9", 3.5mm L-shape)
Miscellaneous	
AD118	14-pin ACC adapter to use with Hirose plug accessories
Software & Cables	
CSF3161/F5061	USB programming software for the F3161/4161 & F5061/6061
IAOPC1871	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
OPC1870	Radio to radio cloning cable between two 14-pin connector portable radios
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels

F3230D – F4230D Series

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

Accessories

Model	Description
Antennas	
FASC25U	400-430MHz antenna J type connector
FASC25V	136-150MHz antenna J type connector
FASC26US	400-450MHz stubby antenna J type connector
FASC27VS	142-150MHz stubby antenna J type connector
FASC28V	142-162MHz antenna J type connector
FASC29V	160-174MHz antenna J type connector
FASC55V	146-174MHz standard antenna J type connector
FASC56VS	150-160MHz stubby antenna J type connector
FASC57U	430-470MHz standard antenna (red ring) J type connector
FASC57VS	160-174MHz stubby antenna J type connector
FASC61UC	380-520MHz cut antenna J type connector
FASC61VC	136-174MHz cut antenna for the specific frequency desired
FASC62V	150-160MHz high gain antenna J type connector
FASC63V	155-165MHz high gain antenna J type connector
FASC72U	470-512MHz antenna J type connector
FASC73US	450-470MHz stubby antenna for J type connector
IAFASC450US	430-470MHz stubby antenna with a J type connector
LARSEN SPHL10160IC	151-163MHz helical ¼ wave antenna center tuned to 157MHz
Batteries	
BP232WP	Li-ion 7.4V 2300mAh (typical capacity), 2250mAh (minimum value) IP67 waterproof battery
Belt Clips	
MB93	Swivel belt clip
MB94	Alligator belt clip
MB94R	Alligator belt clip with long clip that angles the antenna/top of radio off the body
MB96N	Swivel belt hanger to use with belt clip
Chargers	
BC157S	AC adapter for gang chargers; 100-240V with US style plug
BC157SE	AC adapter for gang chargers; 100-240V with Euro style plug
BC160	Rapid charger for radios with the BP230/231/232 battery; 100-240V with a US style plug
BC160E	Rapid charger for radios with the BP230/231/232 battery; 100-240V with a Euro style plug
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
Headsets	
HS94	Earpiece headset; use with VS/OPC2004/OPC2006/OPC1392
HS95	Headset with boom mic; use with VS/OPC2004/OPC2006/OPC1392
HS97	Earphone with throat mic headset; use with VS/OPC2004/OPC2006/OPC1392
Microphones	
HM158LA	Compact speaker microphone with revolving clip and earphone jack (right angle 2-pin screw down connector, stereo mic/mono speaker)

Accessories

Model	Description
HM159LA	Large speaker microphone with earphone jack and metal alligator clip (right angle 2-pin screw down connector, stereo mic/mono speaker)
HM-HD717WP	Large waterproof speaker microphone with 3.5mm accessory jack (right angle 2-pin screw down connector)
Software & Cables	
CSF3210D	USB programming software for the F3210D/4210D, F3230D/4230D & F5220D/6220D
OPC478UD	USB programming cable (2-pin connectors handhelds)
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels
Wire Kits	
HM166LA	Earphone microphone with 2-pin right angle connector

F9011 – F9021 Series

P25 portables are discontinued and no longer available from Icom. Icom does still sell the below compatible accessories.

Accessories

Model	Description
Antennas	
FAS58U	400-470MHz antenna - standard on the F9021
FAS65V	148-160 MHz flexible antenna - standard on F9011
FAS67VC	136-174MHz cut antenna - F3400/F7010/F9011
FAS81V	136-150MHz antenna for F3400/F7010/F9011
GAL 06026	VHF Wideband 136-174MHz Helical Antenna.
Belt Clips	
MB115	Standard belt clip for F9011 series
Chargers	
BC119NS 11	Rapid charger with AD110 installed for F70/80/9011/9021 radios; 100-240V with US style plug
BC121NS	6-Unit Charger Kit BC121N + AD110 x 6. Requires BC157S AC adapter.
BC157S	AC adapter for gang chargers; 100-240V with US style plug
BC157SE	AC adapter for gang chargers; 100-240V with Euro style plug
CP23L	12V cigarette lighter cable for use with rapid chargers
Encryption & Internal Modules	
OPC-IAKVL14	Interface Cable with 14 Pin Connector between P25 portable & KA KVL125
UT125 01	AES/DES encryption board with OTAR compliance for F9011/F9511 series
UT125 FIPS	FIPS 140-2 AES encryption board with OTAR compliance for F9011/F9511 series
Headsets	
HS94	Earpiece headset; use with VS/OPC2004/OPC2006/OPC1392
HS95	Headset with boom mic; use with VS/OPC2004/OPC2006/OPC1392
HS97	Earphone with throat mic headset; use with VS/OPC2004/OPC2006/OPC1392
Microphones	
HM184H	14-pin loud waterproof speaker mic (no accessory jack)
HM-HD7I6WP	Large waterproof, high gain speaker microphone with 3.5mm accessory jack (14-pin connector)
IMPACT HD3-I6	Lightweight heavy duty use speaker mic with 3.5mm accessory jack (14-pin connector)
SP-AT1	Single pin listen only w/QD acoustic tube (9", 3.5mm L-shape)
Miscellaneous	
AD118	14-pin ACC adapter to use with Hirose plug accessories
Software & Cables	
IAOPC1871	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
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.
OPC1870	Radio to radio cloning cable between two 14-pin connector portable radios
OPC2338	14-pin programming cable plus transparent data transfer

Accessories

Model	Description	
Trunking		
ISL-3	P25 trunking upgrade for the F9011/9511 series radios	

F5061D - F6061D Series

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

Accessories

Model	Description
ENGRAVE	Engrave radio
Antennas	
ANTENNA 1	118-940MHz 1/4 wave antenna, unity gain, field tunable
ANTENNA 3	450-470MHz 5dB gain mountable antenna, CHR, 40" high
ANTENNA 4	152-162MHz, unity gain antenna, NMO compatible, 21.6". Factory tuned to 157MHz
Cables	
OPC1132	DC power cable (9.8ft) with 2-pin T connector.
OPC2500	2 m, 6.56 ft extension cable for HM-249
OPC440	Microphone extension cable (RJ-45 M/F) (16.4ft)
External Speakers	
SP30	20W large external speaker
SP35	5W external speaker with 3.5mm speaker jack and 2m cable
Microphones	
HM148G	Self grounding microphone for mobile radios
HM148T	DMTF mobile microphone
HM152	Microphone for low/mid range mobile radios
SM26	Desktop microphone with monitor switch for mobile radios
Mounting Hardware	
MOUNT 1	NMO Permanent Mount, 17ft RG58 cable, PL259 connector
MOUNT 3	Black Magnetic Mount - 3 1/4" diameter, 12ft RG58 cable w/PL259 connector
Remote Mounting	
OPC607	3m/9.8ft separation cable for remote mounting kits
OPC609	1.9m/6.2ft separation cable for remote mounting kits
OPC726	5m/16.4ft separation cable for remote mounting kits
RMK3 01	F5061/6061 bracket & face plate for remote mounting. Separation cable not included
Software & Cables	
CSF3161/F5061	USB programming software for the F3161/4161 & F5061/6061
IAOPC1871	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
OPC2344	PC to mobile radio programming cloning cable with USB connector.

F14/F24 - F33G/F43G - F43TR – F3021/F4021 - F3011/F4011

Accessories

The F14/F24 - F33G/43G, F43TR & F3021 / F4021, F3011 / F4011 portables are discontinued and no longer available from Icom. Icom does still sell the below compatible accessories.

Accessories

Model	Description
Antennas	
FASC25U	400-430MHz antenna J type connector
FASC25V	136-150MHz antenna J type connector
FASC26US	400-450MHz stubby antenna J type connector
FASC27VS	142-150MHz stubby antenna J type connector
FASC28V	142-162MHz antenna J type connector
FASC29V	160-174MHz antenna J type connector
FASC55V	146-174MHz standard antenna J type connector
FASC56VS	150-160MHz stubby antenna J type connector
FASC57U	430-470MHz standard antenna (red ring) J type connector
FASC57VS	160-174MHz stubby antenna J type connector
FASC61UC	380-520MHz cut antenna J type connector
FASC61VC	136-174MHz cut antenna for the specific frequency desired
FASC62V	150-160MHz high gain antenna J type connector
FASC63V	155-165MHz high gain antenna J type connector
FASC72U	470-512MHz antenna J type connector
FASC73US	450-470MHz stubby antenna for J type connector
LARSEN SPHL10160IC	151-163MHz helical ¼ wave antenna center tuned to 157MHz
Batteries	
BP232H	Li-ion 7.4V 2300mAh (typical capacity), 2250mAh (minimum value)
Belt Clips	
MB93	Swivel belt clip
MB94	Alligator belt clip
MB94R	Alligator belt clip with long clip that angles the antenna/top of radio off the body
MB96N	Swivel belt hanger to use with belt clip
Chargers	
BC123SA	Straight-angle AC adapter for rapid chargers; 100-240V with US style plug
BC123SE	AC adapter for rapid chargers; 100-240V with Euro style plug
BC147SA	AC adapter for trickle chargers; 100-240V with a US style plug
BC157S	AC adapter for gang chargers; 100-240V with US style plug
BC157SE	AC adapter for gang chargers; 100-240V with Euro style plug
BC160	Rapid charger for radios with the BP230/231/232 battery; 100-240V with a US style plug
BC160E	Rapid charger for radios with the BP230/231/232 battery; 100-240V with a Euro style plug
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
CP23L	12V cigarette lighter cable for use with rapid chargers
MB130	Vehicle charger bracket holds rapid charger; requires cigarette lighter cable
Headsets	
HS94	Earpiece headset; use with VS/OPC2004/OPC2006/OPC1392

Accessories

Model	Description
HS95	Headset with boom mic; use with VS/OPC2004/OPC2006/OPC1392
HS97	Earphone with throat mic headset; use with VS/OPC2004/OPC2006/OPC1392
Microphones	
HM158LA	Compact speaker microphone with revolving clip and earphone jack (right angle 2-pin screw down connector, stereo mic/mono speaker)
HM159LA	Large speaker microphone with earphone jack and metal alligator clip (right angle 2-pin screw down connector, stereo mic/mono speaker)
HM-HD717WP	Large waterproof speaker microphone with 3.5mm accessory jack (right angle 2-pin screw down connector)
IMPACT HD3-I3	Heavy duty speaker mic w/3.5mm accessory jack (2-pin screw down connector)
SP-AT1	Single pin listen only w/QD acoustic tube (9", 3.5mm L-shape)
Software & Cables	
CSF14	USB programming software for the F14/F24 w/ MDC
CSF3011	USB programming software for the F3011/4011
CSF3021/F5021/F5011	USB programming software for the F3021/5021/5011 series
OPC478UD	USB programming cable (2-pin connectors handhelds)
Wire Kits	
HM166LA	Earphone microphone with 2-pin right angle connector

F1721 - F2721/F2821 Series

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

Accessories

Model	Description
EX2785J01	P25 activation software for F70/80 & F1721/2721 radios
Antennas	
ANTENNA 1	118-940MHz 1/4 wave antenna, unity gain, field tunable
ANTENNA 3	450-470MHz 5dB gain mountable antenna, CHR, 40" high
ANTENNA 4	152-162MHz, unity gain antenna, NMO compatible, 21.6". Factory tuned to 157MHz
Cables	
OPC1132	DC power cable (9.8ft) with 2-pin T connector.
OPC440	Microphone extension cable (RJ-45 M/F) (16.4ft)
Encryption & Internal Modules	
OPC-IAKVL1	Interface Cable with RJ45 Connector between P25 mobiles & KA KVL125
External Speakers	
SP30	20W large external speaker
SP35	5W external speaker with 3.5mm speaker jack and 2m cable
Microphones	
HM148G	Self grounding microphone for mobile radios
HM148T	DMTF mobile microphone
HM152	Microphone for low/mid range mobile radios
SM26	Desktop microphone with monitor switch for mobile radios
Mounting Hardware	
MOUNT 1	NMO Permanent Mount, 17ft RG58 cable, PL259 connector
MOUNT 3	Black Magnetic Mount - 3 1/4" diameter, 12ft RG58 cable w/PL259 connector
Remote Mounting	
OPC607	3m/9.8ft separation cable for remote mounting kits
OPC609	1.9m/6.2ft separation cable for remote mounting kits
OPC726	5m/16.4ft separation cable for remote mounting kits
Software & Cables	
CSF70/F1700	USB cloning software for the F70/F80/F1721/F1821/F2721/F282
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.

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
Antennas	
FASC25U	400-430MHz antenna J type connector
FASC25V	136-150MHz antenna J type connector
FASC26US	400-450MHz stubby antenna J type connector
FASC55V	146-174MHz standard antenna J type connector
FASC56VS	150-160MHz stubby antenna J type connector
FASC57U	430-470MHz standard antenna (red ring) J type connector
FASC57VS	160-174MHz stubby antenna J type connector
FASC61UC	380-520MHz cut antenna J type connector
FASC61VC	136-174MHz cut antenna for the specific frequency desired
FASC62V	150-160MHz high gain antenna J type connector
FASC63V	155-165MHz high gain antenna J type connector
FASC72U	470-512MHz antenna J type connector
FASC73US	450-470MHz stubby antenna for J type connector
Batteries	
BP232WP	Li-ion 7.4V 2300mAh (typical capacity), 2250mAh (minimum value) IP67 waterproof battery
Belt Clips	
MB93	Swivel belt clip
MB94	Alligator belt clip
MB94R	Alligator belt clip with long clip that angles the antenna/top of radio off the body
MB96N	Swivel belt hanger to use with belt clip
Chargers	
BC147SA	AC adapter for trickle chargers; 100-240V with a US style plug
BC157S	AC adapter for gang chargers; 100-240V with US style plug
BC157SE	AC adapter for gang chargers; 100-240V with Euro style plug
BC160	Rapid charger for radios with the BP230/231/232 battery; 100-240V with a US style plug
BC160E	Rapid charger for radios with the BP230/231/232 battery; 100-240V with a Euro style plug
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
CP23L	12V cigarette lighter cable for use with rapid chargers
MB130	Vehicle charger bracket holds rapid charger; requires cigarette lighter cable
Microphones	
HM158LA	Compact speaker microphone with revolving clip and earphone jack (right angle 2-pin screw down connector, stereo mic/mono speaker)
HM159LA	Large speaker microphone with earphone jack and metal alligator clip (right angle 2-pin screw down connector, stereo mic/mono speaker)
HM-HD7I7WP	Large waterproof speaker microphone with 3.5mm accessory jack (right angle 2-pin screw down connector)
SP-AT1	Single pin listen only w/QD acoustic tube (9", 3.5mm L-shape)
Software & Cables	
CSF3021/F5021/F5011	USB programming software for the F3021/5021/5011 series
OPC478UD	USB programming cable (2-pin connectors handhelds)
Wire Kits	
HM166LA	Earphone microphone with 2-pin right angle connector

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
Antennas	
FASC25U	400-430MHz antenna J type connector
FASC25V	136-150MHz antenna J type connector
FASC26US	400-450MHz stubby antenna J type connector
FASC27VS	142-150MHz stubby antenna J type connector
FASC28V	142-162MHz antenna J type connector
FASC29V	160-174MHz antenna J type connector
FASC55V	146-174MHz standard antenna J type connector
FASC56VS	150-160MHz stubby antenna J type connector
FASC57U	430-470MHz standard antenna (red ring) J type connector
FASC57VS	160-174MHz stubby antenna J type connector
FASC61UC	380-520MHz cut antenna J type connector
FASC61VC	136-174MHz cut antenna for the specific frequency desired
FASC62V	150-160MHz high gain antenna J type connector
FASC63V	155-165MHz high gain antenna J type connector
FASC72U	470-512MHz antenna J type connector
FASC73US	450-470MHz stubby antenna for J type connector
LARSEN SPHL10160IC	151-163MHz helical ¼ wave antenna center tuned to 157MHz
Batteries	
BP232H	Li-ion 7.4V 2300mAh (typical capacity), 2250mAh (minimum value)
Belt Clips	
MB93	Swivel belt clip
MB94	Alligator belt clip
MB94R	Alligator belt clip with long clip that angles the antenna/top of radio off the body
MB96N	Swivel belt hanger to use with belt clip
Chargers	
BC147SA	AC adapter for trickle chargers; 100-240V with a US style plug
BC157S	AC adapter for gang chargers; 100-240V with US style plug
BC157SE	AC adapter for gang chargers; 100-240V with Euro style plug
BC160	Rapid charger for radios with the BP230/231/232 battery; 100-240V with a US style plug
BC160E	Rapid charger for radios with the BP230/231/232 battery; 100-240V with a Euro style plug
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
CP23L	12V cigarette lighter cable for use with rapid chargers
MB130	Vehicle charger bracket holds rapid charger; requires cigarette lighter cable
SS BC61	Mobile rapid charger with cigarette adapter for the F3161 & F3261 series
Headsets	
HS94	Earpiece headset; use with VS/OPC2004/OPC2006/OPC1392
HS95	Headset with boom mic; use with VS/OPC2004/OPC2006/OPC1392
HS97	Earphone with throat mic headset; use with VS/OPC2004/OPC2006/OPC1392

Accessories

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

F3210D – F4210D Series

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

Accessories

Model	Description
Antennas	
FASC25U	400-430MHz antenna J type connector
FASC25V	136-150MHz antenna J type connector
FASC26US	400-450MHz stubby antenna J type connector
FASC27VS	142-150MHz stubby antenna J type connector
FASC28V	142-162MHz antenna J type connector
FASC29V	160-174MHz antenna J type connector
FASC55V	146-174MHz standard antenna J type connector
FASC56VS	150-160MHz stubby antenna J type connector
FASC57U	430-470MHz standard antenna (red ring) J type connector
FASC57VS	160-174MHz stubby antenna J type connector
FASC61UC	380-520MHz cut antenna J type connector
FASC61VC	136-174MHz cut antenna for the specific frequency desired
FASC62V	150-160MHz high gain antenna J type connector
FASC63V	155-165MHz high gain antenna J type connector
FASC72U	470-512MHz antenna J type connector
FASC73US	450-470MHz stubby antenna for J type connector
LARSEN SPHL10160IC	151-163MHz helical ¼ wave antenna center tuned to 157MHz
Batteries	
BP263	Battery case that holds 6 AA alkaline batteries
BP265	Li-ion 7.4V 1900mAh
Belt Clips	
MB124	Alligator type belt clip
Chargers	
AD121	Adapter cup that fits into the BC197 12/13 for the BP265 Li-ion battery
BC123SA	Straight-angle AC adapter for rapid chargers; 100-240V with US style plug
BC123SE	AC adapter for rapid chargers; 100-240V with Euro style plug
BC157S	AC adapter for gang chargers; 100-240V with US style plug
BC157SE	AC adapter for gang chargers; 100-240V with Euro style plug
BC193	Rapid charger for radios with BP265 Li-ion battery; 100-240V with US style plug
BC193E	Rapid charger for radios with BP265 Li-ion battery; 100-240V with Euro style plug
CP23L	12V cigarette lighter cable for use with rapid chargers
MB130	Vehicle charger bracket holds rapid charger; requires cigarette lighter cable
Headsets	
HS94	Earpiece headset; use with VS/OPC2004/OPC2006/OPC1392
HS95	Headset with boom mic; use with VS/OPC2004/OPC2006/OPC1392
HS97	Earphone with throat mic headset; use with VS/OPC2004/OPC2006/OPC1392
OPC2004	Adapter plug to use the HS94/95/97 for the F3001/4001/3101D/4101D & V80

Accessories

Model	Description
Microphones	
HM158LA	Compact speaker microphone with revolving clip and earphone jack (right angle 2-pin screw down connector, stereo mic/mono speaker)
HM159LA	Large speaker microphone with earphone jack and metal alligator clip (right angle 2-pin screw down connector, stereo mic/mono speaker)
HM-HD7I7WP	Large waterproof speaker microphone with 3.5mm accessory jack (right angle 2-pin screw down connector)
IMPACT HD3-I3	Heavy duty speaker mic w/3.5mm accessory jack (2-pin screw down connector)
SP27	Acoustic tube earphone with a clip (3.5mm)
Software & Cables	
CSF3210D	USB programming software for the F3210D/4210D, F3230D/4230D & F5220D/6220D
OPC478UD	USB programming cable (2-pin connectors handhelds)
Wire Kits	
HM166LA	Earphone microphone with 2-pin right angle connector

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
Antennas	
AD92SMA	Antenna connector adapter to connect a BNC-type antenna
FAS24V	136-150MHz antenna for the F50/V handhelds (Blue ring)
FAS27U	400-470MHz antenna for the F60/V (green ring)
FAS56U	450-520MHz antenna for F60/V (red ring)
FAS57US	450-490MHz stubby antenna for F60/V portable radios (red ring)
FAS59V	150-174MHz standard antenna for the F50 & M88 (red ring)
FAS62VS	150-162MHz stubby antenna for F50/V (Red ring)
Batteries	
BP227	Li-ion 7.2V 1950mAh (typical capacity), 1850mAh (minimum value); waterproof
Belt Clips	
MB86	Swivel belt clip that screws into back of radio
MB96N	Swivel belt hanger to use with belt clip
MB98	Standard belt clip for the F50/60 & M88
Chargers	
BC123SA	Straight-angle AC adapter for rapid chargers; 100-240V with US style plug
BC123SE	AC adapter for rapid chargers; 100-240V with Euro style plug
BC147SA	AC adapter for trickle chargers; 100-240V with a US style plug
BC152N 11	F50/F60/M88 desktop trickle charger (requires BC-147)
BC157S	AC adapter for gang chargers; 100-240V with US style plug
BC157SE	AC adapter for gang chargers; 100-240V with Euro style plug
CP23L	12V cigarette lighter cable for use with rapid chargers
MB130	Vehicle charger bracket holds rapid charger; requires cigarette lighter cable
Headsets	
HS94	Earpiece headset; use with VS/OPC2004/OPC2006/OPC1392
HS95	Headset with boom mic; use with VS/OPC2004/OPC2006/OPC1392
HS97	Earphone with throat mic headset; use with VS/OPC2004/OPC2006/OPC1392
Microphones	
HM138	Waterproof 9-pin marine style speaker mic (IS approved for F50/F60/M88/F70/F80)
Software & Cables	
OPC966U	USB programming cloning cable for radios with 9-pin connector

F3001 – F4001 Series

Analog portables are discontinued and no longer available from Icom. Icom does still sell the below compatible accessories.

Accessories

Model	Description
ENGRAVE	Engrave radio
EXTWARR211	1 year extended warranty for a total 3 years
EXTWARR212	2 year extended warranty for a total 4 years
EXTWARR213	3 year extended warranty for a total 5 years
Antennas	
FASC25U	400-430MHz antenna J type connector
FASC25V	136-150MHz antenna J type connector
FASC26US	400-450MHz stubby antenna J type connector
FASC27VS	142-150MHz stubby antenna J type connector
FASC28V	142-162MHz antenna J type connector
FASC29V	160-174MHz antenna J type connector
FASC55V	146-174MHz standard antenna J type connector
FASC56VS	150-160MHz stubby antenna J type connector
FASC57U	430-470MHz standard antenna (red ring) J type connector
FASC57VS	160-174MHz stubby antenna J type connector
FASC61UC	380-520MHz cut antenna J type connector
FASC61VC	136-174MHz cut antenna for the specific frequency desired
FASC62V	150-160MHz high gain antenna J type connector
FASC63V	155-165MHz high gain antenna J type connector
FASC72U	470-512MHz antenna J type connector
FASC73US	450-470MHz stubby antenna for J type connector
IAFASC450US	430-470MHz stubby antenna with a J type connector
LARSEN SPHL10160IC	151-163MHz helical ¼ wave antenna center tuned to 157MHz
Batteries	
BP263	Battery case that holds 6 AA alkaline batteries
BP265	Li-ion 7.4V 1900mAh
Belt Clips	
MB124	Alligator type belt clip
Carrying Cases	
LCF3000 SWIVEL	Leather carrying case with a swivel for the F3001/4001 & F3101D/4101D radios
NCF3000 CLIP	Nylon carrying case with a clip for the F3001/4001 & F3101D/4101D radios
Chargers	
AD121	Adapter cup that fits into the BC197 12/13 for the BP265 Li-ion battery
BC123SA	Straight-angle AC adapter for rapid chargers; 100-240V with US style plug
BC123SE	AC adapter for rapid chargers; 100-240V with Euro style plug
BC157S	AC adapter for gang chargers; 100-240V with US style plug
BC157SE	AC adapter for gang chargers; 100-240V with Euro style plug
BC193	Rapid charger for radios with BP265 Li-ion battery; 100-240V with US style plug
BC193E	Rapid charger for radios with BP265 Li-ion battery; 100-240V with Euro style plug
CP23L	12V cigarette lighter cable for use with rapid chargers

Accessories

Model	Description
MB130	Vehicle charger bracket holds rapid charger; requires cigarette lighter cable
Headsets	
HS94	Earpiece headset; use with VS/OPC2004/OPC2006/OPC1392
HS95	Headset with boom mic; use with VS/OPC2004/OPC2006/OPC1392
HS97	Earphone with throat mic headset; use with VS/OPC2004/OPC2006/OPC1392
IJKP-HM2PLOW	2-wire kit w/acoustic tube
OPC2004	Adapter plug to use the HS94/95/97 for the F3001/4001/3101D/4101D & V80
Microphones	
HM158LA	Compact speaker microphone with revolving clip and earphone jack (right angle 2-pin screw down connector, stereo mic/mono speaker)
HM159LA	Large speaker microphone with earphone jack and metal alligator clip (right angle 2-pin screw down connector, stereo mic/mono speaker)
HM222HLWP	IP68 speaker mic with 2-pin screw down connector and 3.5mm jack
HM-HD717WP	Large waterproof speaker microphone with 3.5mm accessory jack (right angle 2-pin screw down connector)
IMPACT HD3-I3	Heavy duty speaker mic w/3.5mm accessory jack (2-pin screw down connector)
Software & Cables	
CSF3001	USB programming software for the F3001/F4001
OPC478UD	USB programming cable (2-pin connectors handhelds)
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels
QCS-LM100	Digital LM software – Requires radio model, firmware version, contact name, and email on order.
Wire Kits	
HM166LA	Earphone microphone with 2-pin right angle connector

F3201DEX – F4201DEX Series

IECEX/ATEX intrinsically safe portables are discontinued and no longer available from Icom. Icom does still sell the below compatible accessories.

Accessories

Model	Description
Antennas	
FASC25V	136-150MHz antenna J type connector
FASC27VS	142-150MHz stubby antenna J type connector
FASC28V	142-162MHz antenna J type connector
FASC29V	160-174MHz antenna J type connector
FASC55V	146-174MHz standard antenna J type connector
Batteries	
BP277EX	Li-ion 7.4V 1900mAh (typ. capacity), 1800mAh (min. value) blue battery
Microphones	
HM203EX	Blue speaker microphone for F3201DEX/4201DEX
Software & Cables	
CSF3101D/F5121D	USB programming software for the F3101D/F5121D series
OPC2338	14-pin programming cable plus transparent data transfer
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels

F9511 - F9521 Series

P25 Trunking Mobiles are discontinued. Icom does still sell the below compatible accessories.

Accessories

Model	Description
ENGRAVE	Engrave radio
Antennas	
ANTENNA 1	118-940MHz 1/4 wave antenna, unity gain, field tunable
ANTENNA 3	450-470MHz 5dB gain mountable antenna, CHR, 40" high
ANTENNA 4	152-162MHz, unity gain antenna, NMO compatible, 21.6". Factory tuned to 157MHz
Cables	
OPC1132	DC power cable (9.8ft) with 2-pin T connector.
OPC1962	DC power cord for F9511HT
OPC440	Microphone extension cable (RJ-45 M/F) (16.4ft)
Encryption & Internal Modules	
INSTALL-MF	Install a component or license into an LM mobile or portable
OPC-IAKVL1	Interface Cable with RJ45 Connector between P25 mobiles & KA KVL125
UT125 01	AES/DES encryption board with OTAR compliance for F9011/F9511 series
UT125 FIPS	FIPS 140-2 AES encryption board with OTAR compliance for F9011/F9511 series
External Speakers	
SP30	20W large external speaker
SP35	5W external speaker with 3.5mm speaker jack and 2m cable
Microphones	
HM148G	Self grounding microphone for mobile radios
HM148T	DMTF mobile microphone
SM26	Desktop microphone with monitor switch for mobile radios
Miscellaneous	
EXTWARR811	1 year extended warranty
EXTWARR812	2 year extended warranty
EXTWARR813	3 year extended warranty
Mounting Hardware	
MOUNT 1	NMO Permanent Mount, 17ft RG58 cable, PL259 connector
MOUNT 3	Black Magnetic Mount - 3 1/4" diameter, 12ft RG58 cable w/PL259 connector
Power Supplies	
CONTROL STATION ASSEMBLE	Install mobile into power supply and cabinet to make control station
Remote Mounting	
IA-DH1095	Remote mounting kit for the F9511/F9521 dual head kit. Dual head, external speaker, speaker microphone, and separation cables are required.
OPC607	3m/9.8ft separation cable for remote mounting kits
OPC609	1.9m/6.2ft separation cable for remote mounting kits
OPC726	5m/16.4ft separation cable for remote mounting kits
RMK4 01	Dual head and separation kit for F9511HT. Requires external speaker and cable.

Accessories

Model	Description
Software & Cables	
CSRMK4	Programming software for the RMK4
IAOPC1871	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
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.
OPC2344	PC to mobile radio programming cloning cable with USB connector.
PROG-MF	Icom to program your land mobile mainframe with provided icf file or 1 to 2 channels
Trunking	
ISL-3	P25 trunking upgrade for the F9011/9511 series radios

F5122DD – F6122DD Series

VHF and UHF Data Transceivers

Accessories

Model	Description
Cables	
OPC1132	DC power cable (9.8ft) with 2-pin T connector.
OPC2500	2 m, 6.56 ft extension cable for HM-249
Software & Cables	
QCS-LM100	Digital LM software – Requires radio model, firmware version, contact name, and email on order.



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