Icom Radio Solutions / How the World Communicates

MODES: iDAS, P25

Feature / Signalling Matrix (top)

Feature rows (left to right reading of Signalling – A or D¹ row):

A · A · A · A · A · A · A · A/D · A/D · A/D · A/D · A/D · A/D · A/D · A/D · A/D · A/D · A/D · A/D · A/D² · D · D · D · D · D

Feature row labels:
- Signalling – A or D¹ (Analog, Digital)
- Trunking³
- With Display
- Emergency Button
- Voice Record
- Bluetooth®
- Channel Announcement
- Vibration
- Integrated GPS
- Active Noise Cancelling
- Micro SD
- OTAP
- Intrinsically Safe

Models / Specifications

Model	Mode	Band	Channels	TX Max Power	Water Intrusion	Trunking Type	Encryption / Scrambling (Built-in or Optional)	Priority Scan	Keypad / Buttons⁷	Display Type: Remote / Dual Head	Accessories Included / Standard Configuration	Accessories Required for GPS
IC-V3MR MURS	Analog	VHF	16	2W	IP54	NA	NA	NA	None	None	Standard Configuration + Antenna and Charger	NA
IC-V10MR MURS	Analog	UHF	16	2W	IP67	NA	NA	Yes	Prog. Buttons	None	Standard Configuration + Antenna and Charger	NA
IC-F200	Analog	VHF / UHF	16	2W	IP54	NA	NA	NA	None	None	Standard Configuration + Antenna and Charger	NA
IC-F3001 / IC-F4001	Analog	VHF / UHF	16 or 128	VHF 5W / UHF 4W	IP54	NA	NA	Yes	None, Prog. Buttons, Full	None, Standard Display	Standard Configuration + Antenna and Charger	NA
IC-F1000 / IC-F2000	Analog	VHF / UHF	8	VHF 5W / UHF 4W	IP54	NA	Built-in Analog Voice Scrambler	Yes	None, Prog. Buttons, Full	None, Standard Display	Standard Configuration + Antenna and Charger	NA
IC-F5011 / IC-F6011	Analog	VHF / UHF	8	VHF 50W / UHF 45W	IP67	NA	Built-in Analog Voice Scrambler	Yes	None	None	Standard Configuration + Antenna and Charger	NA
IC-F5021 / IC-F6021	Analog	VHF / UHF	128	VHF 50W / UHF 45W	IP67	NA	Optional Analog Voice Scrambler	Yes	Full	Standard Display	Standard Configuration + Antenna and Charger	NA
IC-F1100D / IC-F2100D	IDAS™ / NXDN™ + Analog	VHF / UHF	16 or 128	VHF 5W / UHF 4	IP67	SST	Built-in Digital Voice Scrambler	Yes	None, Prog. Buttons, Full	Standard Display	Standard Configuration + Antenna, and Charger⁸	NA
IC-F5121D / IC-F6121D	IDAS™ / NXDN™ + Analog	VHF / UHF	128	VHF 50W / UHF 45W	NA	SST	Built-in Digital Voice Scrambler	Yes + Voting Scan	Full	Standard Display	Hand Mic, DC Power Cable, MT Hardware	PC and Software
IC-F5220D / IC-F6220D	IDAS™ / NXDN™ + Analog	VHF / UHF	128	VHF 50W / UHF 45W	NA	SST	Built-in Digital Voice Scrambler	Yes + Voting Scan	Full	Standard Display	Hand Mic, DC Power Cable, MT Hardware	PC and Software
IC-F5130D / IC-F6130D	IDAS™ / NXDN™ + Analog	VHF / UHF	1024	VHF 50W / UHF 45W	NA	SST and MCS	Built-in Digital Voice Scrambler	Yes + Voting Scan	Prog. Buttons	Standard LCD	Hand Mic, DC Power Cable, MT Hardware	OPC-1939 / OPC-2078
IC-F5330D / IC-F6330D	IDAS™ / NXDN™ + Analog	VHF / UHF	1024	VHF 50W / UHF 45W	IPX4 (CommandMic®)	SST and MCS	Built-in Digital Voice Scrambler	Yes + Voting Scan	Full	Remote CommandMic® w/ high-contrast LCD	CommadMic®, DC Power Cable, MT Hardware	OPC-1939 / OPC-2078
IC-F5400D / IC-F6400D	IDAS™ / NXDN™ + Analog	VHF / UHF	512	5W	NA	SST / MST / LTR Optional with License	Built-in Analog and Digital Voice Scramblers	Yes	Prog. Buttons	Hi-res Color LCD, Optional Remote Head and Dual Remote Head Kits Available	Hand Mic, DC Power Cable, MT Hardware	UX-241, Antenna
IC-F52 /UL⁶ / IC-F62D/UL⁶	IDAS™ / NXDN™ + Analog	VHF / UHF	32 or 1024	5W	IP67	SST / MST / LTR Optional with License	Built-in Digital Voice Scramblers, Optional AES and DES Encryption	Yes	None, Prog. Buttons, Full	Standard Display	Standard Configuration	HM-233GP
IC-F3400D / IC-F4400D	IDAS™ / NXDN™ + Analog	VHF / UHF	32 or 1024	5W	IP68	SST / MST / LTR Optional with License	Built-in Analog and Digital Voice Scramblers, Optional AES and DES Encryption	Yes	Prog. Buttons, Full	Hi-res Color LCD	Standard Configuration	Built-in
IC-F7010 / IC-F7020	P25 + Analog	VHF / UHF	1024	5W	IP68	Phase 1 and Phase 2	Built-in Analog and Digital Voice Scramblers, Optional AES and DES Encryption	Yes + Voting Scan with Optional License - ISL-P25VS	Prog. Buttons, Full	Hi-res Color LCD	Standard Configuration	Built-in
IC-F7510 / IC-F7520	P25 + Analog	VHF / UHF	1024	VHF 50W / UHF 45W	IP55	Phase 1 and Phase 2	Built-in Analog and Digital Voice Scramblers, Optional AES and DES Encryption	Yes + Voting Scan with Optional License - ISL-P25VS	Full	Hi-res Color LCD, Optional Remote Head and Dual Remote Head Kits Available	Hand Mic, DC Power Cable, MT Hardware	UX-241, Antenna and License Key
IC-F7040S / IC-F7040T	P25 + Analog	700-800 MHz	1024	3W	IP68	Phase 1 and Phase 2	Built-in Analog and Digital Voice Scramblers, Optional AES and DES Encryption	Yes + Voting Scan with Optional License - ISL-P25VS	Prog. Buttons, Full	Hi-res Color LCD	Standard Configuration	GPS with License Key
IC-F7540	P25 + Analog	700-800 MHz	1024	800MHz 35W / 700MHz 30W	IP55	Phase 1 and Phase 2	Built-in Analog and Digital Voice Scramblers, Optional AES and DES Encryption	Yes + Voting Scan with Optional License - ISL-P25VS	Full	Hi-res Color LCD, Optional Remote Head and Dual Remote Head Kits Available	Hand Mic, DC Power Cable, MT Hardware	UX-241, Antenna and License Key
IP730D / IP740D	LTE / IDAS™	VHF / UHF / LTE IDAS™	128	Less Than 10 mW / MHz	IP67	LTE / IDAS™	Built-in Digital Voice Scrambler (15-bit)	NA	Full	Standard Display	Standard Configuration	LTE Only for GPS and OTAP⁹
IP110H	WLAN	WLAN	128	5W, 2W, 1W	IP67	WLAN	Built-in WPA2-Enterprise, WPA-Enterprise, WPA-PSK, + WPA2-PSK	NA		Standard Display	Standard Configuration + Antenna, and Hand Strap	NA
IP501H	LTE / IP	LTE	NA	Unpublished	IP67	LTE	NA		Full	Standard Display	Antenna, Hand Mic, DC Power Cable, MT Hardware	Built-in
IP501M	LTE / IP	LTE	NA	Unpublished	NA	LTE	NA			Standard Display	Standard Configuration + Antenna	Built-in
IC-SAT100	Satellite / Iridium	Satellite	NA	Unpublished	IP67	Iridium®	Built-in AES Encryption			Standard Display	Standard Configuration + Antenna	NA
IC-SAT100M	Satellite / Iridium	Satellite	NA	Unpublished	NA	Iridium®	Built-in AES Encryption			Standard Display, Multi-language	Speaker Mic, DC Power, LAN Cable, MT Bracket	AH-40 GPS Antenna

Global Wireless Communications

CONNECT

Icom's CONNECT creates a seamless, interconnected voice and data communications ecosystem using our CONNECT RoIP gateway, the VE-PG4, regardless of protocol. CONNECT's suite of solutions is designed for commercial and professional use and exists to provide customizable, intuitive, and dependable coverage for those who need to stay connected when it counts most.
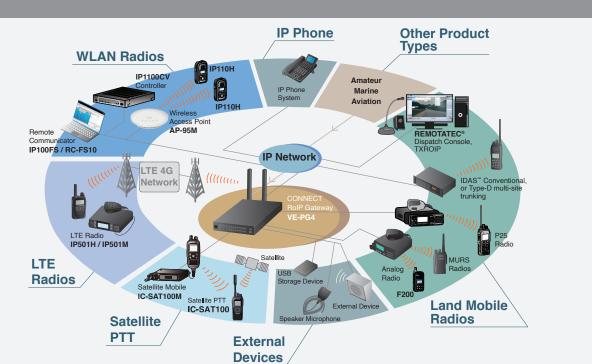
AIR. LAND. SEA. SATELLITE.

RoIP Gateway – CONNECT to Other Systems

VE-PG4

Our CONNECT RoIP gateway, the VE-PG4, allows you to bridge almost any modern communications system to Icom's universe of products. Interconnect with an IP phone, and various radio systems including WLAN radio, satellite PTT, LTE, IDAS™ and analog radios.

Professional Digital Repeater Systems

FR-5300

One Platform for All Your System Configurations

The FR5300 is a second generation IDAS™ repeater that builds upon the powerful product line with the affordable, low complexity digital simulcast capabilities and a new CPU / FPGA platform. Increase coverage with simulcast by adding repeaters to pair on the same networks. Simulcast: It couldn't be easier.

iDAS NXDN

NOTES

1. 'A' indicates radio has the following analog signaling – 2/5 Tone, CTCSS, MDC1200, and DTMF Encode.
2. IP730D / IP740D only analog signaling is CTCSS / DTCS.
3. Trunking is called out as SST (Single-site Trunking), MST (Multi-site Trunking), and LTR. For P25: Phase 1 & 2, and for IP / Satellite radios: LTE, WLAN and Iridium®.
   – All digital radios are capable of MSC, Multi-site Conventional.
4. Future firmware update.
5. OTAP (Over-the-Air Programming) for P25 conventional, CS-OTPM2 software required.
6. Intrinsically Safe version (UL) available.
7. Radios sold as no display, with display and limited programmable keys, or display with programmable keys and full DTMF keypad.
8. Depending on version.
9. OTAP in conventional mode with a license required.