



Icom Radio Solutions / How the World Communicates

Signalling – A or D¹ (Analog, Digital)	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/D	A/D²	D	D	D	D	D		
Trunking³																			4							
With Display																										
Emergency Button																										
Voice Record																										
Bluetooth®																										
Channel Announcement																										
Vibration																										
Integrated GPS																										
Active Noise Cancelling																										
Micro SD																										
OTAP																										
Intrinsically Safe																										
MODES:   LTE-CONNECT																										
	V10MR MURS	F3001 F4001	F1000 F2000	F5011 F6011	F5021 F6021	F1100D F2100D	F5121D F6121D	F5220D F6220D	F3230D F4230D	F5061D F6061D	F5400D F6400D	F52D / UL⁶ F62D / UL⁶	F3400D F4400D	F9011 F9021	F9511 F9521	F7010 F7020	F7510 F7520	F7040S F7040T	F7540	IP730D IP740D	IP100H	IP501H	IP501M	IC-SAT100	IC-SAT100M	
GENERAL	Mode	Analog					iDAS™ / NXDN™ + Analog							P25 + Analog					LTE / iDAS™	WLAN	LTE / IP		Satellite / Iridium			
	Band	VHF	VHF / UHF			VHF / UHF							VHF / UHF				700-800 MHz		VHF / UHF / LTE iDAS™	WLAN	LTE		Satellite			
	Channels	16	16	16 or 128	8	128	16 or 128	VHF 50W UHF 45W	128	VHF 50W UHF 45W	1024	512	32 or 1024	512		1024		3W		800MHz 35W 700MHz 30W	5W, 2W, 1W	Less Than 10 mW / MHz	Unpublished			
	TX Max Power	2W	VHF 5W UHF 4W		VHF 50W UHF 45W		VHF 50W UHF 4W	VHF 50W UHF 45W	VHF 50W UHF 45W	5W	VHF 50W UHF 45W	5W		VHF 6W UHF 5W	VHF / UHF 50W HT 110W	5W	VHF 50W UHF 45W	3W	800MHz 35W 700MHz 30W	5W, 2W, 1W	Less Than 10 mW / MHz	Unpublished				
FEATURES	Water Intrusion	IP67	IP54	IP67	NA		IP67	NA	NA	IP67	NA	NA	IP67	IP68	IP67	NA	IP68	IP55	IP68	IP55	IP67	IPX7	IP67	NA	IP67	NA
	Trunking Type	NA		NA		SST		SST & MST		SST / MST / LTR		SST / MST / LTR Optional with License		Phase 1		Phase 1 & Phase 2				LTE / iDAS™	WLAN	LTE		Iridium®		
	Encryption / Scrambling Built-in or Optional	NA		Built-in Analog Voice Scrambler		Optional Analog Voice Scrambler		Built-in Digital Voice Scrambler				Built-in Digital Voice Scrambler	Built-in Analog & Digital Voice Scramblers	Built-in Digital Voice Scramblers, Optional AES & DES Encryption	Built-in Analog & Voice Scramblers Optional AES & DES Encryption		Built-in Analog & Digital Voice Scramblers Optional AES & DES Encryption				Built-in Digital Voice Scrambler (15-bit)	Built-in WPA-PSK, WPA2-PSK, WEP	NA		Built-in AES Encryption	
	Priority Scan	Yes					Yes		Yes + Voting Scan	Yes	Yes + Voting Scan			Yes		Yes		Yes + Voting Scan with Optional License - ISL-P25VS				Yes				
	Keypad / Buttons⁷	None		None, Prog. Buttons, Full		Full		None, Prog. Buttons, Full	Full		Prog. Buttons	Full		Prog. Buttons	None, Prog. Buttons, Full	None, Prog. Buttons, Full	Full	Prog. Buttons, Full	Full	Full	Full					
	Display: Type, Remote / Dual Head	None		None, Standard Display		None	Standard Display	Standard Display	Standard Display		Standard Display	Standard LCD	Hi-res Color LCD, Optional Remote Head & Dual Remote Head Kits Available	Standard Display	Hi-res Color LCD	None, Standard Display	Standard Display	Hi-res Color LCD	Hi-res Color LCD, Optional Remote Head & Dual Remote Head Kits Available	Hi-res Color LCD	Standard Display		Standard Display, Multi-language			
ACCESSORIES	Accessories Included Standard Config. on Portables include Battery and Belt Clip	Std. + Antenna and Charger			Hand Mic, DC Power Cable, MT Hardware		Std. + Antenna, Charger⁸	Hand Mic, DC Power Cable, MT Hardware		Std. + Antenna, Charger	Hand Mic, DC Power Cable, MT Hardware		Std.	Std. + Antenna	Hand Mic, DC Power Cable, MT Hardware⁹	Std.	Hand Mic, DC Power Cable, MT Hardware	Std.	Hand Mic, DC Power Cable, MT Hardware	Std.	Std. + Antenna, Hand Strap	Antenna, Hand Mic, DC Power Cable, MT Hardware	Std. + Antenna	Speaker Mic, DC Power, LAN Cable, MT Bracket		
	Accessories Required for GPS	NA			NA		PC & Software		NA		UX-241, Antenna		HM-233GP	Built-in	NA		Built-in	UX-241, Antenna & License Key	GPS with License Key	UX-241, Antenna & License Key	LTE Only for GPS & OTAP⁹	NA	Built-in		AH-40 GPS Antenna	

Global Wireless Communications

AIR. LAND. SEA.

Your Professional Radio Solutions Company

No matter what your communication needs may be, we have the system for you. We go beyond the traditional VHF and UHF two-way radios providing peace of mind and keep you connected anywhere at anytime. Icom offers innovation and diverse solutions that offer a wide range of radio platforms from analog, digital, wireless LAN, LTE to satellite – a true comprehensive wireless communications company.



RoIP Gateway to Link to Other Systems

VE-PG4

The VE-PG4 allows you to bridge almost any modern communications system to Icom's universe of Network products. As well as interconnect with an IP phone, and various radio systems including WLAN radio, satellite PTT, LTE, iDAS™ and analog radios.



Communication Links

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.



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 / DTCSS.

³ Trunking is called out as SST (Single-site Trunking), MST (Multi-site Trunking), and LTR.

⁴ For P25: Phase 1 & 2, and for IP / Satellite radios: LTE, WLAN and Iridium®.

⁵ All digital radios are capable of MSC, Multi-site Conventional.

⁶ Future firmware update.

⁷ OTAP (Over-the-Air Programming) for P25 conventional, CS-OTPM2 software required.

⁸ Intrinsically Safe version (UL) available.

⁹ Radios sold as no display, with display and limited programmable keys, or display with programmable keys and full DTMF keypad.

¹⁰ Depending on version.

¹¹ OTAP in conventional mode with a license required.