



AT-A-GLANCE

P25 Trunking Radio Comparison

FEATURES	F9011B/ F9021B	F9011S/ F9021S	F9011T/ F9021T	F7010/F7020	F7040S/ F7040T	F9511S/ F9521S	F9511T/ F9521T	F9511HT	F7510/ F7520	F7540
Applications	Analog, digital conventional, and digital trunked systems. Add-on to current analog or digital systems, build new conventional or trunked digital systems, operate analog and digital conventional with a gradual migration to multi-site digital trunking & network.									
Modes	Analog Conventional, P25 Conventional, and Mixed Mode Operation									
P25 Trunking Option	P25 Phase 1 Trunking			P25 Phase 1 and Phase 2 Trunking		P25 Phase 1 Trunking			P25 Phase 1 and Phase 2 Trunking	
Channels	512 with 128 Zones			1024 channels / 128 zones		512 with 128 Zones			1024 channels / 128 zones	
Power Output (VHF / UHF)	6W (VHF), 5W (UHF)			5W	3W	50W		110W	50W (VHF), 45W (UHF)	35W (800 MHz), 30W (700 MHz)
Versions (MHz)	136-174, 380-470, 450-520			136-174 380-470 450-512	7 / 800	136-174, 380-470, 450-520			136-174 380-470 450-512	7 / 800
Display/Keypad	No	Dot Matrix, 2 lines, 4-way navigation cross keypad	Dot Matrix, 2 lines, full DTMF keypad plus 4-way navigation cross keypad	Color LCD / partial or full keypad, plus 4 directional keypad		Dot Matrix, 2 lines, 4 keys	Dot Matrix, 2 lines, full DTMF keypad		High-res color LCD display / keypad plus 4 directional keypad	
Waterproof / Mil Spec	IP57, MIL-STD 810 C,D,E, F, & G			IP68, MIL-STD 810 C,D,E, F, & G		IP54 (controller only), MIL-STD 810 C,D,E, F, & G			IP55, MIL-STD-810 C, D, E, F, & G	
Encryption Options	UT-125 FIPS – FIPS 140-2 encryption board UT-125 – AES/DES encryption board UT-128 – DES encryption board			UT-125 FIPS, FIPS, AES/DES encryption unit & UT-134 AES/DES unit (ISL-P25AES License key required for AES encryption)		UT-125 FIPS – FIPS 140-2 encryption board UT-125 – AES/DES encryption board UT-128 – DES encryption board			UT-125 FIPS, FIPS, AES/DES encryption unit & UT-134 AES/DES unit (ISL-P25AES License key required for AES encryption)	
GPS	N/A			Built-in		N/A			Built-in	
Over-the-Air-Programming (OTAP)	N/A			CS-OTPM2 manager software is required (Conv. use only)		N/A			CS-OTPM2 manager software is required (Conv. use only)	
Connector	14 pin connector					D-SUB 25-pin ACC connector				
Other Features	Vote Scan, P25 CAP complaint, OTAR, AMBE+2™ vocoder, Tactical group function									