

P25 Trunking Radio Comparison

	F9011B / F9021B	F9011S / F9021S	F9011T / F9021T	F9511S / F9521S	F9511T / F9521T	F9511HT
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.			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	– Mixed analog & P25 conventional & P25 trunked			– Mixed analog & P25 conventional & P25 trunked		
P25 Auto Sense	Yes	Yes	Yes	Yes	Yes	Yes
Intrinsically Safe (I.S.)	Future	Future	Future	na	na	na
Signaling	<ul style="list-style-type: none"> • CTCSS • DCS • 2-Tone (TBA) • MDC1200 (TBA) • NAC 			<ul style="list-style-type: none"> • CTCSS • DCS • 2-Tone (TBA) • MDC1200 (TBA) • NAC 		
Versions (MHz)	136 – 174 400 – 470 450 – 520	136 – 174 380 – 470	400 – 470 450 – 520	136 – 174 400 – 470 450 – 520	136 – 174 400 – 470 450 – 520	136 – 174 400 – 470 450 – 520
Output Power	na	na	na	50W	50W	110W
General Specs	<ul style="list-style-type: none"> • 6W • 512 Channels • 128 Zones • MIL-STD 810-F 	<ul style="list-style-type: none"> • 10 Key pad (T version) • 4 Key pad (S version) • “Cosmetic interoperability” (toggle & A/B/C) • 4 Way navigation key 		<ul style="list-style-type: none"> • 512 Channels • 128 Zones • 10 Key pad (T & HT versions) • Advanced programmable 25 pin connector 		
Waterproof	• IP57 – submersible, 1m, 30 minutes and dust resistant			• IP54 – controller only • MIL-STD 810-F		
Display	No	• 2 line, 12/24 character, full dot matrix • Soft key lables		• 2 line, 12/24 character, full dot matrix • Soft key lables		
TX Specs	<ul style="list-style-type: none"> • Spurious emissions 75 dB (70 dB HT version) • Adjacent channel 70 dB • Audio distortion 2% • Frequency error +/- 1.0 ppm • 14 Pin connector 			<ul style="list-style-type: none"> • Spurious emissions 70 dB • Adjacent channel 70 dB • Audio distortion 3% • Frequency error +/- 1.0 ppm 		
RX Specs	<ul style="list-style-type: none"> • Spurious response 80 dB • Adjacent channel 78 dB • Hum & noise 50 dB • Audio output 1W, BTL amplification 			<ul style="list-style-type: none"> • Spurious response 85 dB • Adjacent channel 81 dB • Hum & noise 55 dB • Audio output 4W (22W BTL external amp) 15W HT version 		