



	F70 / 80	F70D / 80D	F9011B / F9021B	F9011S / F9021S	F9011T / F9021T
Applications	<p>Analog systems with no current plans to migrate to P25.</p> <p>Expand current or build new analog systems by using grant money for P25 upgradeable radios (also I.S. applications).</p>	<p>Analog systems planning to migrate to P25 conventional.</p> <p>Operate analog now with gradual migration to digital conventional operation (also I.S. and FIPS 140 applications).</p>	<p>Analog, digital conventional, and digital trunked systems.</p> <p>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.</p>		
Modes	<ul style="list-style-type: none"> - Analog - P25 upgradeable 	<ul style="list-style-type: none"> - Mixed analog & P25 conventional 	<ul style="list-style-type: none"> - Mixed analog & P25 conventional & P25 trunked 		
P25 Auto Sense	Yes	Yes	Yes	Yes	Yes
Intrinsically Safe (I.S.)	Class I, II, III, Division 1, Groups C, D, E, F, G (S) 	Class I, II, III, Division 1, Groups C, D, E, F, G (S) 	Future	Future	Future
Signaling	<ul style="list-style-type: none"> • CTCSS • DTCS • 2-Tone • 5-Tone • MDC1200 • EMDC (O) 	<ul style="list-style-type: none"> • CTCSS • DTCS • 2-Tone • 5-Tone • MDC1200 • 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 – 450 400 – 470 450 – 520	136 – 174 400 – 470 450 – 520 380 – 470	136 – 174 400 – 470 450 – 520 380 – 470	136 – 174 400 – 470 450 – 520 380 – 470
General Specs	<ul style="list-style-type: none"> • 5W (VHF) / 4W (UHF) • 256 Channels • 32 Zones • Mil-Std 810-F • 10 Key pad (T versions) 		<ul style="list-style-type: none"> • 6W/5W (VHF/UHF) • 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 	
Waterproof	<ul style="list-style-type: none"> • MIL - STD 810 F • IP57 – submersible 1m, 30 minutes 		<ul style="list-style-type: none"> • IP57 – submersible 1m, 30 minutes 		
Display	<ul style="list-style-type: none"> • 2 line, 12/24 character, full dot matrix 		<ul style="list-style-type: none"> • No 	<ul style="list-style-type: none"> • 2 line, 12/24 character, full dot matrix • Soft key labels 	
TX Specs	<ul style="list-style-type: none"> • Spurious emissions 70 dB • Adjacent channel 70 dB • Audio distortion 3% • Frequency error +/- 2.0 ppm • 9 Pin connector 			<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 	
RX Specs	<ul style="list-style-type: none"> • Spurious response 80 dB • Adjacent channel 75 dB • Hum & noise 45 dB • Audio output 500 mW 			<ul style="list-style-type: none"> • Spurious response 80 dB • Adjacent channel 78 dB • Hum & noise 50 dB • Audio output 1W BTL 	