

	F1721 / 1821 F2721 / 2821	F1721D / 1821D F2721D / 2821D	F9511S F9521S	F9511T F9521T	F9511HT
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	– Analog – P25 upgradeable	– Mixed analog & P25 conventional	– Mixed analog & P25 conventional & P25 trunked	– Mixed analog & P25 conventional & P25 trunked	– Mixed analog & P25 conventional & P25 trunked
P25 Auto Sense	After optional upgrade	Yes	Yes	Yes	Yes
Signaling	<ul style="list-style-type: none"> • CTCSS • DTCS • 2-Tone • 5-Tone • MDC1200 • EMDC (Optional) 	<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 – 174 400 – 470 450 – 520	136 – 174 400 – 470 450 – 520	136 – 174 400 – 470 450 – 520	136 – 174
Output Power	50W (V), 45W (U) 110W with optional HPUK		50W (VHF + UHF)	50W (VHF + UHF)	110W
General Specs	<ul style="list-style-type: none"> • 256 Channels • 32 Zones • 10 Key pad (2721/2821) • 25 Pin connector 			<ul style="list-style-type: none"> • 512 Channels • 128 Zones • 10 Key pad (T & HT versions) • Advanced programmable 25 pin connector 	
Waterproof	• MIL - STD 810 F			<ul style="list-style-type: none"> • IP54 (Controller only) • MIL - STD 810 F 	
Display	• 2 line, 12/24 character, full dot matrix			<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 75 dB • Adjacent channel 70 dB • Audio distortion 3% • Frequency error +/- 2.0 ppm 			<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 75 dB • Hum & noise 45 dB • Audio output 4W (22W external) 			<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 	