



# AT-A-GLANCE

## Mobile Radios Comparison

	F1721 / 1821 F2721 / 2821	F1721D / 1821D F2721D/ 2821D	F9511S	F9511T	F9511HT
<b>Applications</b>	<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 &amp; network.</p>		
<b>Modes</b>	– 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
<b>P25 Auto Sense</b>	After upgrade	Yes	Yes	Yes	Yes
<b>Signaling</b>	<ul style="list-style-type: none"> <li>• CTCSS</li> <li>• DTCS</li> <li>• 2-Tone</li> <li>• 5-Tone</li> <li>• MDC1200</li> <li>• EMDC (Optional)</li> </ul>	<ul style="list-style-type: none"> <li>• CTCSS</li> <li>• DTCS</li> <li>• 2-Tone</li> <li>• 5-Tone</li> <li>• MDC1200</li> <li>• NAC</li> </ul>	<ul style="list-style-type: none"> <li>• CTCSS</li> <li>• DCS</li> <li>• 2-Tone (TBA)</li> <li>• MDC1200 (TBA)</li> <li>• NAC</li> </ul>		
<b>Versions (MHz)</b>	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 – 174 400 – 470 450 – 520
<b>Output Power</b>	50W (V), 45W (U)		50W	50W	110W
<b>General Specs</b>	<ul style="list-style-type: none"> <li>• 256 Channels</li> <li>• 32 Zones</li> <li>• 10 Key pad (2721/2821)</li> <li>• 25 Pin connector</li> </ul>		<ul style="list-style-type: none"> <li>• 512 Channels</li> <li>• 128 Zones</li> <li>• 10 Key pad (T &amp; HT versions)</li> <li>• Advanced programmable 25 pin connector</li> </ul>		
<b>Waterproof</b>	• MIL - STD 810 F		<ul style="list-style-type: none"> <li>• IP54 (Controller only)</li> <li>• MIL - STD 810 F</li> </ul>		
<b>Display</b>	• 2 line, 12/24 character, full dot matrix		<ul style="list-style-type: none"> <li>• 2 line, 12/24 character, full dot matrix</li> <li>• Soft key labels</li> </ul>		
<b>TX Specs</b>	<ul style="list-style-type: none"> <li>• Spurious emissions 75 dB</li> <li>• Adjacent channel 70 dB</li> <li>• Audio distortion 3%</li> <li>• Frequency error +/- 2.0 ppm</li> </ul>		<ul style="list-style-type: none"> <li>• Spurious emissions 70 dB</li> <li>• Adjacent channel 70 dB</li> <li>• Audio distortion 3%</li> <li>• Frequency error +/- 1.0 ppm</li> </ul>		
<b>RX Specs</b>	<ul style="list-style-type: none"> <li>• Spurious response 80 dB</li> <li>• Adjacent channel 75 dB</li> <li>• Hum &amp; noise 45 dB</li> <li>• Audio output 4W (22W external)</li> </ul>		<ul style="list-style-type: none"> <li>• Spurious response 85 dB</li> <li>• Adjacent channel 81 dB</li> <li>• Hum &amp; noise 55 dB</li> <li>• Audio output 4W (22W BTL external amp) 15W HT version</li> </ul>		