

XetaWave Overview



Founded in 2010, XetaWave is a leading provider of the industry's most advanced, high performing, reliable platform of software defined radios designed for wireless data applications across many industries including railroad, oil and gas, electric power, water and wastewater, environmental, mining, irrigation, traffic, electronic signage, the military, and more. All XetaWave radios are 100% designed, manufactured, and tested at its headquarters in Louisville, Colorado.

Product Offering

- Multi-Speed: 9.6 kbps - 8.8 Mbps
- Global frequency range:
902-960 MHz Dual Band ISM/MAS,
150-232 MHz, 216-232 MHz,
225-380 MHz, 406-512 MHz,
757-758 MHz / 787-788 MHz
1.3 GHz, 1.4 GHz, 2.4 GHz
- Licensed & Unlicensed
- Dual-band/frequency/path
- Board level, module, enclosed
- Ethernet and Serial IO
- 10mW to 10W power output
- Two radios in one small enclosure:
 - * Dual band
 - * Simultaneous Serial & Ethernet
 - * Dual Ethernet
 - * Back-to-back repeaters
 - * Full duplex
- UL Class 1 Div 2 & c-UL approved; ETSI certified
- AES-256 encryption available; FIPS 140-2 validation in progress
- Most stringent production testing in the industry (-55°C)



Key Differentiators

XetaWave's innovative technology platform offers many unique features including:

Dynamic Modulation Automatically optimizes parameters across three axes – power output, channel size, and modulation. XetaWave radios selectively switch modulation schemes to ensure required throughput given available channel size and noise.

MultiSpeed MultiPoint™ Enables both high and low speed remotes to operate on the same network using a single access point.

Seamless Serial Allows Ethernet and serial data to be transmitted within a single network. The ability to integrate serial-only sub networks allows for complete flexibility with network design.

Multi-Master Sync (MMS) network synchronization for serial and Ethernet networks precisely controls the transmission timing within a multiple Master network to eliminate self-interference.

TransNET Interoperability and the **Xeta9-INS Intelligent Network Synchronizer** enable XetaWave radios to communicate over the air with a TransNET master or repeater or other supplier, respectively, which facilitates a seamless migration path to a much higher performance XetaWave network.

Superior Customer Service & Support

The team at XetaWave designed, built and supported over 1,000,000 radios across multiple industries worldwide. XetaWave is committed to providing unsurpassed customer service and support from an initial inquiry through installation and beyond. XetaWave leverages its expertise to guide its customers in the optimal network planning and design, conducts path studies, and guarantees reliability and performance. All XetaWave radios have a 3 year warranty.

Additional Information

Please contact us at 303.447.2745 and visit our web site at www.xetawave.com.

