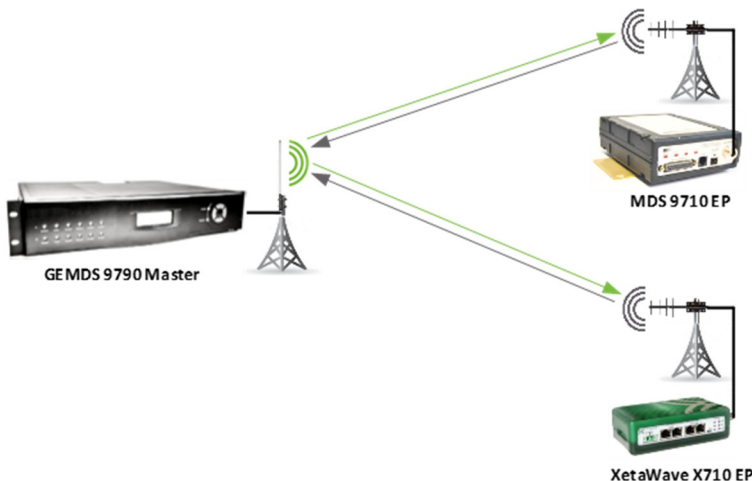


The XetaWave **XetaX710** mode is an optional feature within XetaWave radios which enables them to be utilized as direct drop-in replacements for GE MDS X710™ endpoint radios. Specifically, the **XetaX710** mode provides over-the-air compatibility with the following GE MDS products:

- GE MDS 9790™ Master Station, A & B modes
- GE MDS SD Series™ Master Stations when operating in MDS X710 mode
- GE MDS SD Series™ when operating in MDS X710 mode



XetaWave offers both serial only radios and Ethernet radios that support the **XetaX710** mode. The Ethernet radios can be operated in bypassed to provide X710 compatibility and once all legacy radios have been replaced with XetaWave radios, the network can be switched over to take advantage of the advanced capabilities of the XetaWave radio.

XetaWave radios provide a superior replacement to legacy GE MDS X710™ radios and the GE MDS SD Series™ radios operating in the legacy X710 mode. XetaWave radios selectively support both “A” and “B” modes.

Key Features

Compatible X710 compatibility with GE MDS 9790™ and SD Series™ master stations in both A and B modes.

Performance Greater sensitivity enables the XetaWave radios to link where legacy GE MDS radios might not or would otherwise have limited performance.

Flexible Available in the 100 MHz, 200 MHz, 400 MHz, and 900 MHz frequency bands for both serial only and Ethernet radios.

Growth Once all legacy GE MDS are replaced, the XetaWave radios can be configured to take advantage of their advanced capabilities.

XetaX710 Specifications

Compatibility

		GE MDS		XetaWave	
Operating Modes		Simplex & Half Duplex		Simplex & Half Duplex	
Modulation		CPFSK		CPFSK	
Data Rates	4710	4800 bps @ 12.5 kHz	Xeta4	4800 bps @ 12.5 kHz—	Contact XetaWave
		9600 bps @ 12.5 kHz		9600 bps @ 12.5 kHz—	Implemented
		19200 bps @ 25 kHz		19200 bps @ 25 kHz—	Contact XetaWave
	9710	4800 bps @ 12.5 kHz	Xeta9	4800 bps @ 12.5 kHz—	Contact XetaWave
		9600 bps @ 12.5 kHz		9600 bps @ 12.5 kHz—	Implemented
		19200 bps @ 25 kHz		19200 bps @ 25 kHz—	Contact XetaWave

Radio Performance

Please refer to the full datasheet of the Xeta1, Xeta2, Xeta4, or Xeta9 products located at the XetaWave web site.

Notes

XetaWave radios should not be used to replace a GE MDS X710™ radio if:

1. The legacy network utilizes the radio's sleep mode. The XetaWave radios utilize an idle mode rather than a sleep mode and consume more power.
2. The legacy network uses 25 kHz channels.
3. The legacy network use 4800 or 19200 RF data rates.
4. The legacy network uses Analog or Bell 202 modes.

Ordering

Serial Only Radios

XETA1-10MMNFA	150 to 174 MHz, Metal Enclosed Serial Radio, 1 Data Serial, 1 Config Serial
XETA2-10MMNFB	217 to 222 MHz, Metal Enclosed Serial Radio, 1 Data Serial, 1 Config Serial
XETA4-10MMNFB	406 to 430 & 450 to 470 MHz, Metal Enclosed Serial Radio, 1 Data Serial, 1 Config Serial
XETA9-10MMNFC	902 to 960 MHz, Metal Enclosed Serial Radio, 1 Data Serial, 1 Config Serial

Ethernet Radios

XETA1-22MMDFA	150 to 174 MHz, Metal Enclosed Ethernet Radio, 2 Ethernet, 2 Serial
XETA2-22MMDFB	217 to 222 MHz, Metal Enclosed Ethernet Radio, 2 Ethernet, 2 Serial
XETA4-22MMDFB	406 to 430 & 450 to 470 MHz, Metal Enclosed Ethernet Radio, 2 Ethernet, 2 Serial
XETA9-22DMDFC	902 to 960 MHz Metal Enclosed Ethernet Radio, 2 Ethernet, 2 Serial

