

Intelligent Network Synchronizer

Affordable Migration Path for Legacy Networks

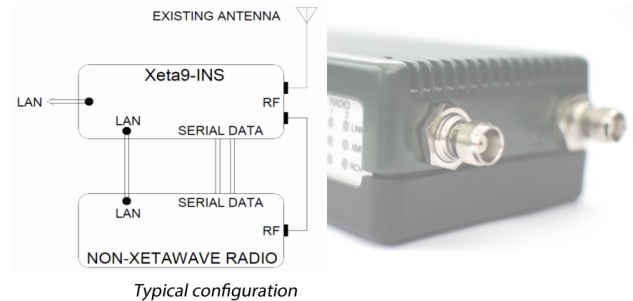
The **Xeta9-INS** offers a migration path from legacy ISM technology into next generation, higher performing XetaWave technology.

This migration path allows you to take advantage of the increased performance and capability of XetaWave's new generation **Software Defined Radios** while leveraging your existing investment in the legacy system during the upgrade process.

The **Xeta9-INS** synchronizes transmissions with a Serial or Ethernet legacy Master, effectively overlaying a higher performance XetaWave network without interference.

This capability enables you to maintain the usage of your legacy network while providing a transitional approach to network upgrades that is virtually non-intrusive to SCADA operations when compared to a "rip and replace" upgrade.

Install the **Xeta9-INS** at the Master site and replace legacy remotes with XetaWave remotes as time and budget permits. Once all remotes have been replaced, the **Xeta9-INS** can be replaced with a **Xeta9-E** to complete the system upgrade.



Xeta9-INS

Features & Specifications

- Single RF Module and Combining/Sensing Module
- Less than 2 dB insertion loss for existing non-XetaWave radios transmission
- No intermodulation
- 40 dB + isolation between radios; uses ferrite isolators – a first for the industry
- Better than 20 dB return loss regardless of antenna VSWR
- Extremely high receive input 1 dB compression point of +10 dBm

Contact

For more information or to schedule a demo, please contact us at **303.447.2745** or sales@xetawave.com



XetaWave is the ideal partner for the deployment of wireless technologies that are proven and lead the industry in performance, functionality and reliability.

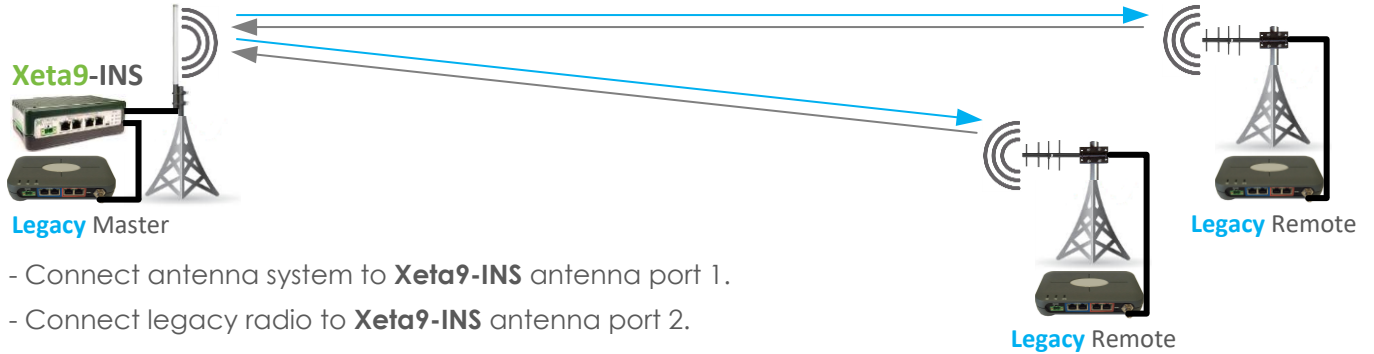
XetaWave provides an industry leading 3 year warranty on its products.

All XetaWave radios are 100% designed, manufactured, and tested at its headquarters in Louisville, Colorado, USA.



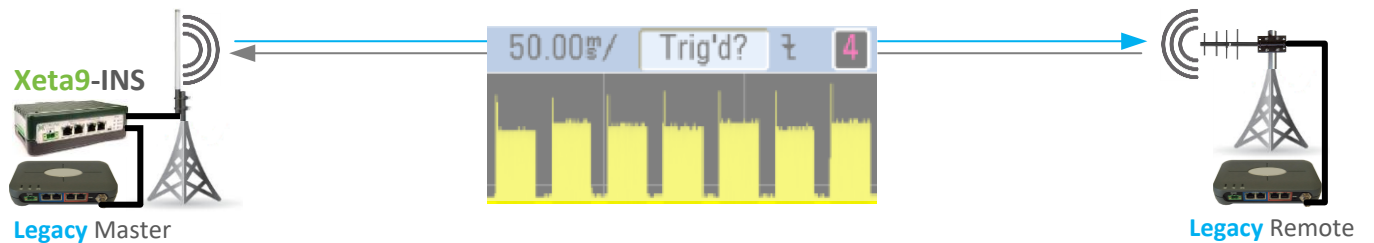
Xeta9-INS Migration Process

Step1 - Install Xeta9-INS at Legacy Master/AP location



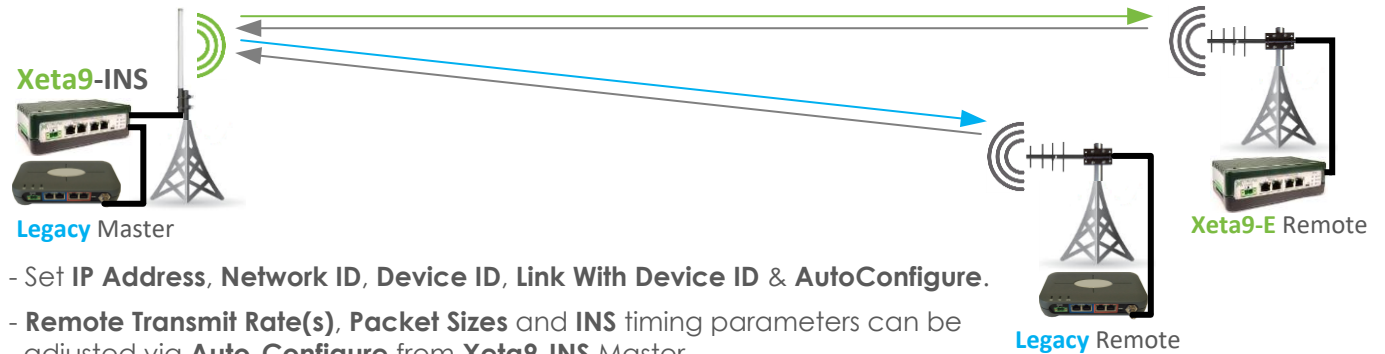
- Connect antenna system to **Xeta9-INS** antenna port 1.
- Connect legacy radio to **Xeta9-INS** antenna port 2.

Step2 – Select Correct INS Timing Parameters



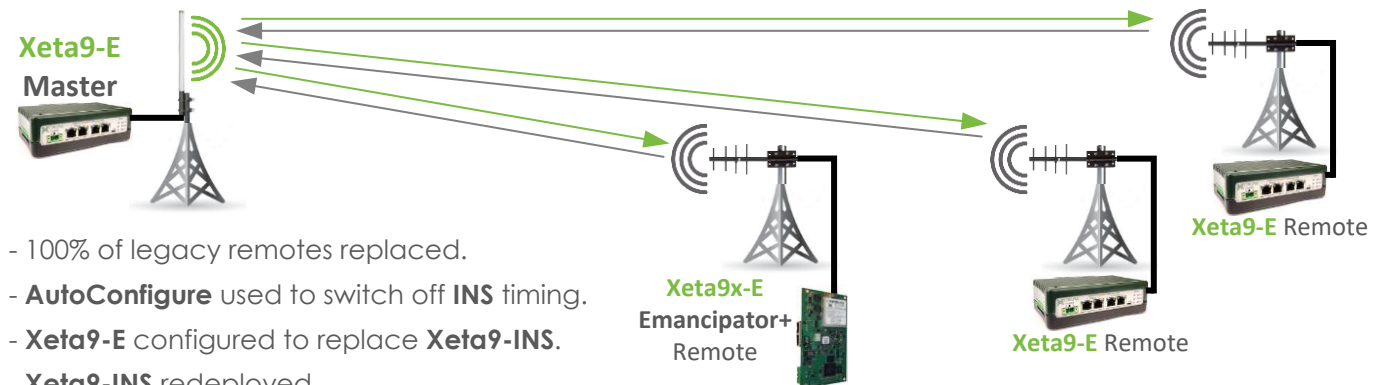
- Refer to timing tables in INS Installation Manual for INS **period** and **width** parameters.

Step3 – Configure and deploy XetaWave remotes



- Set **IP Address, Network ID, Device ID, Link With Device ID & AutoConfigure**.
- **Remote Transmit Rate(s), Packet Sizes** and **INS** timing parameters can be adjusted via **Auto-Configure** from **Xeta9-INS** Master.
- Legacy remotes can be replaced as time and budget permit.

Step4 – Complete Migration Process



- 100% of legacy remotes replaced.
- **AutoConfigure** used to switch off **INS** timing.
- **Xeta9-E** configured to replace **Xeta9-INS**.
- **Xeta9-INS** redeployed...