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Xeta9 Linux Ethernet Radio Enhancements

Below is a summary of the most significant recent and upcoming features for the Xeta9 uCLinux Ethernet Radio. The latest firmware version is available from the XetaWave Support Site. We recommend you reach out to XetaWave Technical Support prior to installing to ensure your hardware will support these features. Details for each feature are available on our secure support web site. A login is required. If you have not yet registered for access, click [here](#) to complete the brief form.

### Xeta9 Linux Ethernet Radio Enhancements - v5.2.17, v5.2.18

1. **Enhanced MultiPoint (EMP)** For licensed radios, equivalent to Point to MultiPoint with modifications to the protocol that increases throughput and decreases latency. Click [here](#) for details.
2. **Reduced Ethernet Headers** This feature reduces the amount of wrapper content applied to the Ethernet traffic transmitted over the air resulting in an increase in aggregate throughput. Click [here](#) for details.
3. **Low Overhead** For unlicensed radios, this feature reduces overhead data bytes and shortens the time needed to frequency hop resulting in an increase in aggregate throughput. Click [here](#) for details.
4. **Frequency Zones** For unlicensed radios, this feature allows for the radio to be configured to exclude operation on individual zones. Click [here](#) for details.
5. **Modbus Diagnostics** This feature allows for the remote retrieval of Endpoint radio statistics using Modbus. Click [here](#) for details.

### Xeta9 uCLinux Ethernet Radio Upcoming Enhancements -

1. **VLAN QoS** This feature allows for prioritization of Ethernet traffic on a VLAN by VLAN basis. Click [here](#) for details.
2. **Serial Bypass** This feature allows for operating as a serial only radio by bypassing all Ethernet networking functions. Click [here](#) for details.
3. **Full Duplex** For licensed radios, this feature allows for a pair of radios or a dual channel radio to operate in full duplex with one radio/channel dedicated to transmit and the other receive. Click [here](#) for details.