Software Update

Industrial Networking: Cellular Routers

red lion®

Firmware Release: 3.13/4.13   **Date:** January 2013

Products:

- Sixnet RAM® 6000 series
- Sixnet IndustrialPro® 6000 series
- Sixnet EnterprisePro® series

What's New?

- Various software enhancements and bug fixes
- Highlight: New DNP3 slave driver added to Sixnet RAM 6000 series

What is the DNP3 Slave Driver?

The Sixnet RAM DNP slave driver enables data exchange with all types of I/O units. The DNP v3.00 driver implements a slave device function that is fully compliant with DNP v3.00 Subset Definition Level 2 and contains many Subset Level 3 features as well as some functionality beyond Subset Level 3.

Users can utilize the RAM web GUI for easy configuration of the following capabilities:

- I/O to DNP objects mapping for any I/O type
- Event generation and attributes (Class) for every mapped DNP object
- Run time DNP protocol behavior at all DNP protocol layers (Physical, Link, Application)
- DNP over serial port
- DNP over LAN/WAN (UDP, TCP server and client)
- Unsolicited message generation for event reporting (configurable)
- Time synchronization (configurable)
- Full Sixnet I/O to DNP object mapping
- Event generation (minimum scan time 20ms) and time stamping at 1ms resolution

DNP3 has become one of the industry standards for electric utility and water treatment applications that require time stamped event data. In addition, time stamping event capabilities are also appropriate for oil & gas equipment monitoring applications.

Materials:

- Release Notes
- Migration Procedures
- Firmware Download