H8830 Series

Wireless Modbus/Pulse Transceiver

The H8830 wireless Modbus/pulse transceiver from Veris Industries provides a self optimizing wireless interface between multiple Modbus devices and networks, perfect for submetering commercial and industrial facilities and adding Modbus devices to any network without the need for costly communicating wiring.

The H8830 is the perfect solution for connecting new or existing Modbus and pulse devices (meters, sensors, etc.) without the need for costly wiring runs, core drilling or conduit. Simply connect the Modbus devices to the serial port on the H8830 and the transceivers will automatically detect the optimum routing to insure reliable and timely data communications. Data from each H8830 wireless transceiver is passed from one transceiver to another to reach it's ultimate destination. This self-managed mesh network means that the system will function with high reliability where other wireless systems fail due to short- or long-term interference with radio signals.

APPLICATIONS

- Tenant submetering
- Cost allocation
- Adding Modbus devices to existing networks
- Gathering energy information from remote buildings
- Monitoring performance of building systems (e.g., chillers, boilers, fans)

Easy installation saves time and money

- Self-optimizing hopping technology makes installation easy and cost effective
- Intelligent H8830 transceivers eliminate the need for costly PC's and software
- Customized for Modbus device interface provides optimized performance with minimal overhead
- Pulse inputs allow connection to existing meters for electricity, gas, water, steam, or BTU's
- Wireless communications up to 1500 ft per hop allows monitoring of remote transformers and meters without expensive trenching
- Rugged wall mount design makes installation a snap and assures high reliability

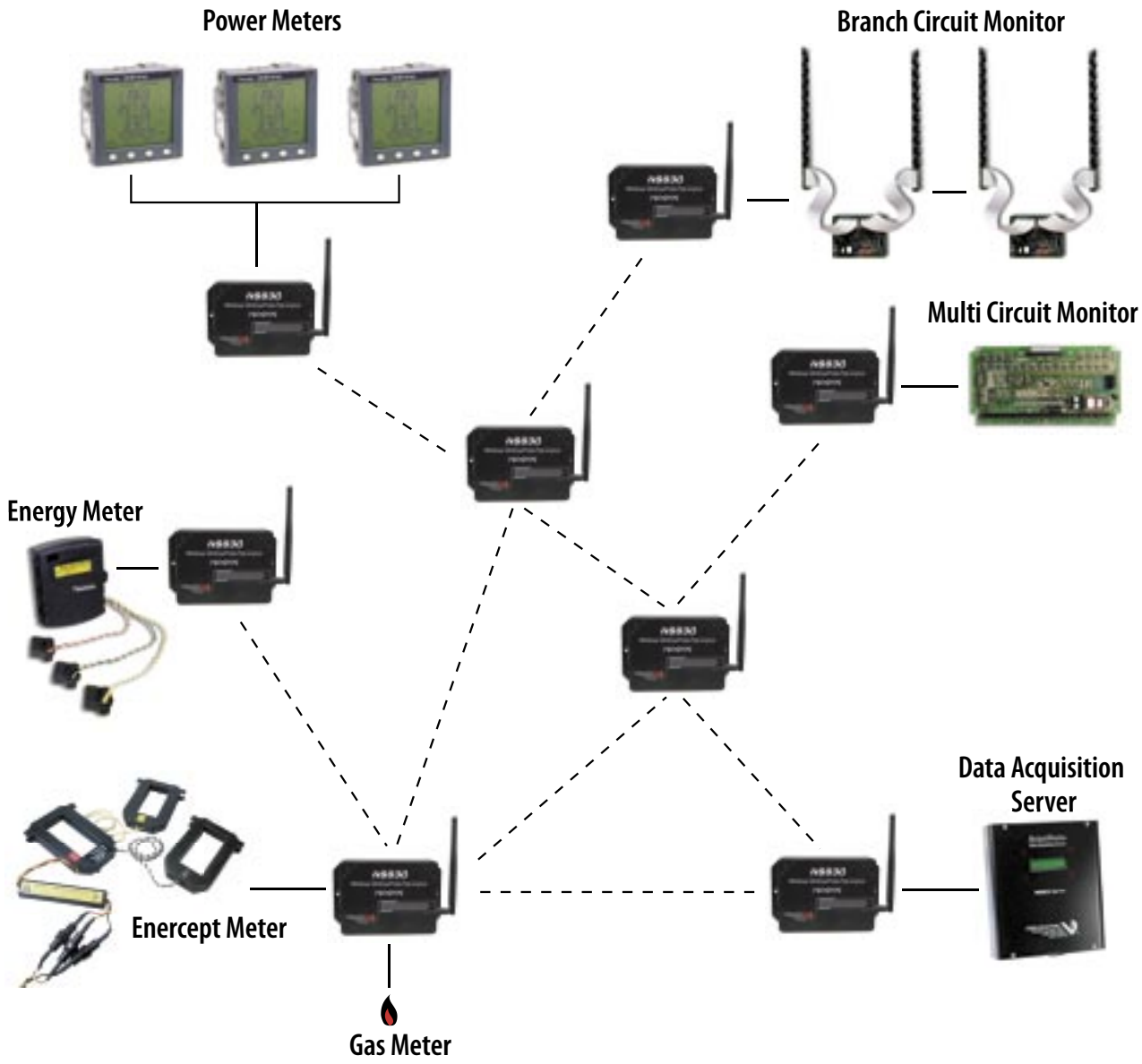
Mesh network design makes adding devices simple and inexpensive

- Intelligent H8830 nodes continuously monitor wireless traffic to optimize routing
- H8830 nodes and devices can be added at any time and are automatically added to the routing
- Scalable design means that projects can be completed in stages as resources become available

The H8820 AcquiSuite Data Acquisition System and The H8830 provide a complete system solution

- The H8820 data acquisition system from Veris provides plug and play connectivity to meters from most meter manufacturers
- Meters or sensors added to the H8830 network (or hard wired to the H8820) are immediately recognized and interval data is stored in the H8820
- Industry standard protocols provide flexible communications using either existing LAN's or phone lines

APPLICATIONS/WIRING EXAMPLE



SPECIFICATIONS

Processor	ARM
Firmware	Field upgradeable
Inputs	Pulse (2x dry contact) , Modbus RS485
Modbus Input	2 wire RS485 (9600 or 19200 baud
LED	2 x RF, 2 x RS 485, 2 x pulse, Alive, Alarm
Power Requirement	110 – 120 VAC
Radio Frequency	900 Mhz ISM
Radio Output Power	1mw (optional 150 mw, consult factory
Radio Max Range	1500 ft. per hop