H8830

Wireless Modbus/Pulse Transceiver

H8830

SPECIFICATIONS

Input Power	110 to 120VAC 50/60Hz
Processor	ARM
Firmware	Field-upgradeable
Inputs	Pulse (2x dry contact), Modbus RS-485
Modbus Input	2-wire RS-485 (9600 or 19200 baud)
LED	2x RF, 2x RS-485, 2x pulse, Alive, Alarm
Radio Frequency	900MHz ISM band
Radio Output Power	100mW
Radio Max Range	1500 ft. (457 m) per hop

Note: Indoor use only.

Eliminate Costly Wiring

FEATURES

- *Self-optimizing wireless interface between multiple Modbus devices and networks*
- *Intelligent H8830 transceivers reduce the need for costly PCs and software*
- *Customized for Modbus device interface...optimize performance with minimal overhead*
- *Pulse inputs allow connection to existing meters for electricity, gas, water, steam, or BTUs*
- *Wireless communications (up to 1500 ft/457 m per hop) allow monitoring of remote transformers and meters without expensive trenching*
- *Rugged wall-mount design makes installation a snap and assures high reliability*
- *Intelligent H8830 nodes continuously monitor wireless traffic to optimize routing*
- *H8830 nodes and devices can be added at any time and fit seamlessly into the routing network*
- *Scalable design means that projects can be completed in stages as resources become available*

The H8822 AcquiSuite Data Acquisition System combines with the H8830 to provide a complete system solution

- *The H8822 data acquisition system from Veris provides plug-and-play connectivity to Veris meters*
- *Meters or sensors added to the H8830 network (or hard-wired to the H8822) are immediately recognized, and interval data is stored in the H8822*
- *Industry-standard protocols provide flexible communications using either existing LANs or phone lines*

DESCRIPTION

The **H8830** wireless Modbus®/pulse transceiver from Veris Industries is ideal for submetering commercial and industrial facilities and adding Modbus devices to any network without the need for costly communications wiring.
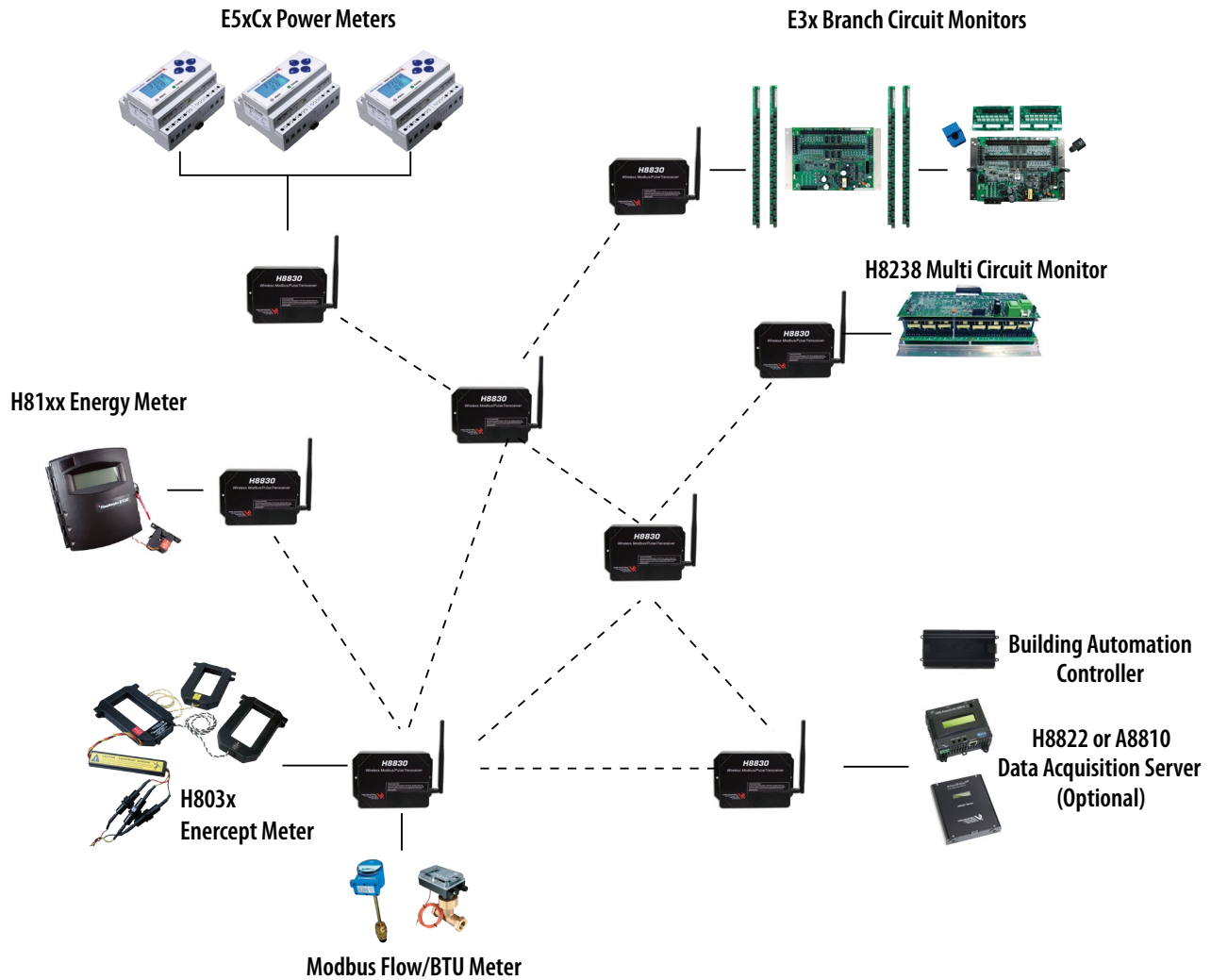
The input port on the H8830 easily connects to new or existing devices (up to 32 Modbus and 2 pulse devices, e.g. meters, sensors, etc.) to automatically detect the optimum route for reliable and timely data communications. If additional data points are needed, use an expansion module, available from Veris as the A8911-23 or the A8332-8F2D.

Data from each H8830 passes from one transceiver to another to reach its ultimate destination. This self-managed mesh network allows the system to function with high reliability where other wireless systems fail due to short- or long-term interference from radio signals.

APPLICATIONS

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

APPLICATION EXAMPLES

E5xCx Power Meters

E3x Branch Circuit Monitors

H8238 Multi Circuit Monitor

H81xx Energy Meter

H803x Enercept Meter

Building Automation Controller

H8822 or A8810 Data Acquisition Server (Optional)

Modbus Flow/BTU Meter

ORDERING INFORMATION

MODEL	DESCRIPTION
H8830	Wireless Modbus/Pulse Transceiver

DIMENSIONAL DRAWING

6.6″ (168mm)
5.6″ (143mm)
Ø 0.17″ (4.4mm)
4.3″ (110mm)
3.0″ (76mm)
6.1″ (154mm)