

Accuenergy AcuLink Data Acquisition Server



PRODUCT DESCRIPTION

The AcuLink 810 data acquisition server and gateway is designed to collect and aggregated data from up to 32 Meters and Sensors (via Modbus) in a remote or local facility. This meter/sensor specific data is then presented via a simple to read and monitor web interface. Connect up to 32 Modbus RTU devices via RS485 port & additional 32 Modbus RTU devices via USB port

PRODUCT DETAILS



Datalogging
(8GB Storage & 1 second intervals)



Auto-Discover network
(BACnet-IP and BACnet-MS/TP – devices)



AcuMesh Support
(Mesh Wireless Network)



Flexible Connectivity
(BACnet, RS-485, DI, RJ45, WiFi, USB)



BACnet gateway
(Convert Modbus-RTU and BACnet-MSTP to BACnet-IP)



Embedded web-server with enhanced cybersecurity

APPLICATIONS



Solar & Battery Management



Facilities Management



Power & Energy Management

BENEFITS

- 4 Models to choose the features needed at the right price
- Data logging, time-of-use and power quality monitoring
- Built-in MODBUS RTU via RS485 port
- Expandable plug-in modules for BACNET, Ethernet, Profibus & WiFi
- Panel mount meter with digital display or DIN rail mount transducer

Accuenergy AcuLink Data Acquisition Server – Technical Details

PRODUCT TECHNICAL DETAILS

HARDWARE

| | | |
|-------------------------|------------------|--|
| Hardware Specifications | Memory | 8GB On-board Storage |
| | Interval Logging | 1 to 1440 minutes, user selectable |
| | LEDs | Power, WiFi, AcuMesh, RS485, Ethernet |
| Power | Power Supply | 24VDC, 500mA *This unit is to be sourced by a Class 2 power supply with the following output: 24VDC, 500mA min not to exceed 8A |
| | Isolation | RJ45 Ethernet 1500Vrms RS485 2500Vrms Digital Input 5000Vrms |

COMMUNICATION

| | | |
|-----------|-----------|--|
| Standards | Protocols | Modbus-RTU, Modbus-TCP/IP, HTTP, HTTPS, FTP, sFTP, SMTP, NTP |
| | LAN | 2 x RJ45 10/100 Ethernet, full half duplex, auto polarity |
| | USB | USB expansion port USB 2.0 Host |

INPUTS

| | | |
|--------------|-----------------------|--|
| Connectivity | Serial Port | RS-485 Modbus, supports up to 32 external devices (expandable) |
| | Digital Input | 8 pulse counters |
| | Input Voltage Range | 8-28Vdc |
| | Input Current (Max) | 8mA |
| | Start Voltage | 15V |
| | Stop Voltage | 5V |
| | Pulse Frequency (Max) | 100Hz, 50% Duty Ratio (5ms ON and 5ms OFF) |
| | LAN | RJ45 10/100 Ethernet |

PRODUCT EXAMPLE

