

# A8810 Embedded AcquiSuite™



## Description

Obvius, the leader in cost effective data acquisition and wireless metering solutions introduces the all-new embedded version of the flagship A8812- x AcquiSuite DR™ data acquisition server. The A8810 embedded Acquisuite combines all the features and benefits of the existing Acquisuite in a compact and stylish form factor. The A8810 is the perfect solution for embedded monitoring of large devices such as:

- Inverters
- PDU's
- Package Units
- Chillers
- Generators

The compact size simplifies installation with quick connect plugs, providing low cost installation for logging building data such as:

- Electrical, gas and water usage and costs
- Indoor and outdoor temperatures
- Pressure, humidity, CO2
- Embedded PV data acquisition

AcquiSuite™ brings “plug and play” capability to the data acquisition market, dramatically reducing the time and training required to put a typical building on line. In most applications, the installation can be done by the building engineer or contractor in less than 2 hours. The system automatically detects and configures Modbus devices (for which it has drivers for) quickly and reduces installation time and costs.

## Applications

- Demand response program control and reporting
- Cost allocation to tenants and third parties
- Measurement & verification of energy savings
- Data center branch circuit monitoring
- Monitoring performance of building systems (e.g., chillers, boilers, fans)

## Easy installation saves time and money

- Simple “plug and play” connectivity to standard Modbus meters minimizes installation time and costs
- Small size makes incorporation into larger devices a snap! (i.e. PV inverters, Chillers, PDU/UPS, Generators)
- Quick connect plugs simplify setup, installation and deployment of the system
- Integrated web server provides setup and configuration using any industry standard web browser (i.e., Netscape™ or Internet Explorer™)

## AcquiSuite Framework lets users add Modbus devices

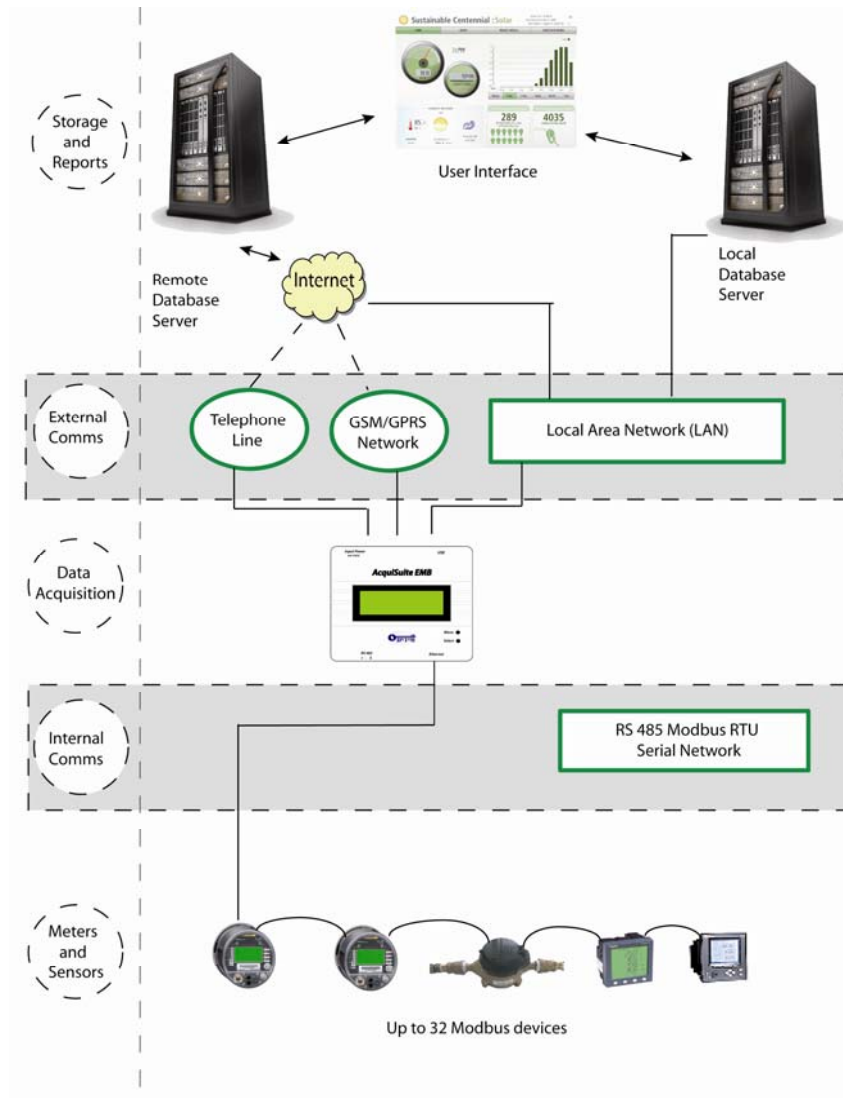
- Allows users a simple means to add Modbus devices not supported by AcquiSuite plug and play drivers
- Driver templates can be stored and shared with multiple AcquiSuites
- Simple web-based interface makes the process easy

## Internet display of key building parameters

- Buildingmanageronline.com™ allows authorized users to see building performance data in an easy to use graphical format
- BMO site provides storage, display and downloads of historical data in a secure SQL database
- Users can be notified of alarm conditions in any or all monitored points
- Open protocols provide connectivity to any energy management or building automation software

## Flexible communications and wireless connectivity

- All data is stored at the site in nonvolatile memory, insuring protection of valuable information in the event of power loss
- Built in din rail mounting allows for simple integration to virtually any embedded application
- Plug & Play connectivity with wireless line of Modhoppers makes installation and site planning a snap



## SPECIFICATIONS

Processor	Main processor: ARM 9
Operating System	Linux 2.6
Flash ROM	16 MB NOR Flash (expandable with USB memory device)
Memory	32 MB RAM
LED	Modbus TX/RX, Alive, Alarm, and Ethernet LNK/ACT
Console	2 x 16 LCD character, two buttons
LAN	10/100, Auto crossover detection
Protocols	Modbus/RTU, Modbus/TCP, TCP/IP, HTTP/HTML, FTP,SNMP, SMTP, XML
Power Supply	24 VDC
Serial Port	RS-485 Modbus
Approvals	CE; FCC Part 15, Class A
USB port	USB memory expansion port
Interval recording	User selectable 1-60 minutes. Default 15 minute interval.
Environmental	Indoor, temperature -30° - 70°c, 0 - 95% humidity, non-condensing.