

## Siemens BACnet Gateway Module

# Expanding Siemens meter communications capability for energy management systems



ProtoNode RER

The advanced BACnet communications gateway is designed to provide seamless communication integration of the Siemens power meters with Building Management Systems. The BACnet gateway converts the standard Modbus communication protocol of the Siemens power meters to BACnet IP or BACnet MSTP; the leading communication protocol for Building Management Systems.

Predefined measurement variables from the Siemens power Meters have been individually selected and are transmitted by means of the BACnet gateway to the Building Management System. This enables optimum use of the Siemens meters with the BMS, the key data necessary to make energy management decisions.

The use of BACnet makes it possible to assemble an Energy Management System and Building Management System with devices from various manufacturers using BACnet.

### Highlights / Innovations / Functions

- Most flexible and versatile multi-protocol Device Server on the market.
- Configuration Auto-Selector to select from pre-loaded defined configurations
- BACnet COV support provides fast data communication while reducing the traffic over a BACnet network.
- Multi-Client and Multi-Server support ensures interoperability between any Industrial and or Building Automation protocols.
- Gateway interface allows Modbus devices to communicate BACnet IP and BACnet MSTP protocol to Building Management System.
- Includes two RS-485 and one Ethernet port.
- BACnet Testing Labs (BTL) Certified.





## Reliable and precise monitoring of electrical power systems

The Siemens power meters are feature packed power monitoring devices that are suitable for use in industrial, government and commercial applications where basic to advanced metering, logging, power quality, embedded webpages and I/O is required. The meters may be used as a stand alone device monitoring up to 10,000 parameters or as part of an industrial control, building automation or global enterprise wide monitoring system.

Metering and monitoring applications range from advanced power quality monitoring and logging applications to single low voltage breaker / building metering to sub-station main feeder monitoring, sub-billing or cost allocation installations with multiple tariffs. Whether your goal is to reduce operational cost, reduce your carbon footprint or to maintain your power assets, the Siemens power meters will be a key component of your power monitoring system.

The Siemens meters provide multiple open communications options using the standard built-in Ethernet or serial Modbus\* protocols, optional PROFIBUS-DP and PROFINET modules, or BACnet and Lon-Works utilizing a Siemens gateway device. These options allow the Siemens meters to communicate multiple protocols at the same time. This allows for easy integration into any monitoring or control system.

Siemens Power Distribution Solutions recognizes that high performance facilities make for high performance business. Energy is the lifeline of your business, and better efficiency and sustainability can have a large positive impact on your bottom line.

The Energy Management and Control Systems from Siemens provide a complete enterprise solution that can help you manage the energy costs and availability of your business. With our advanced meters and controls, you can be sure to use only the energy you need, when you need it.

Siemens Power Distribution Solutions can also contribute toward achieving LEED® certification and provides the needed energy metering data for federal/local government energy reductions programs.

*\*availability of standard communication feature and expansion module on Siemens meter depends on model.*

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Subject to change without prior notice  
Order No.: PMSS-BAC42-0112  
Printed in USA  
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