ProtoCom Protocol Gateway

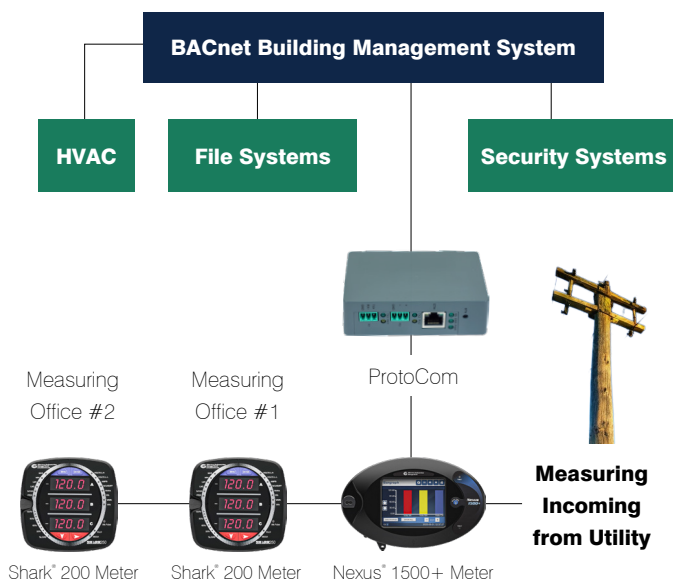## EASILY CONVERT SHARK® OR NEXUS® METERS TO BACNET®

Introduction

The ProtoCom is a one-stop solution to building automation. It allows any integrator to easily provide power metering data to any building management system (BMS) that uses BACnet® or other popular BMS protocols. Using this converter, you can quickly and easily convert power metering data from Electro Industries (EIG)'s native Modbus® protocol to the desired format, without complex integration.

- Plug and Play – Connects to Meter's RS485 Port with Almost No User Configuration

- Auto-discovery Detects the Connected Meter and Maps Appropriate BACnet® Points Automatically

- Enables BACnet MS/TP, BACnet/IP and other Popular Building Management Systems

- Perfect Add-on for any Building Management Solution

- Retrofits to Existing Meters, Saving Installation Time and Money

System setup and configuration is easily accomplished using the built-in web application. There is no need for client setup software. All settings can be password protected from tampering. The ProtoCom converter is ideal for developing a comprehensive building management and LEED initiative.

BACnet Building Management System

HVAC | File Systems | Security Systems

ProtoCom

Measuring Office #2
Measuring Office #1

Shark® 200 Meter | Shark® 200 Meter | Nexus® 1500+ Meter

Measuring Incoming from Utility

One ProtoCom can accept multiple connections to multiple meters. Supported meters include:

- Shark® 100/100S/200/200S/250/270 Meters and Shark® Meters in Enclosure
- MP200™ Metering system and MP200™ in Enclosure
- Nexus® 1450/1500/1500+ Meters
- PQMII Meter

The available protocols are: BACnet MS/TP, BACnet/IP, Johnson Controls' Metasys® N2, Allen-Bradley EtherNet/IP™, and Allen-Bradley DF1™. Shark® and Nexus® meter data is directly available to the most widely used BMS protocols.

Specifications

Power Requirements (Power Supply included)

- Power: (12 - 24) V DC or 24 V AC
- Current draw 24 V AC: 0.125 A; (12 - 24) V DC: 0:25 A @ 12 V DC
- Max Power: 3 Watt

Approvals

- CE and FCC Part 15 B
- BTL Marked
- UL 60950-1 and CAN.CSA C22.2
- UKCA Compliant and ODVA Conformant
- RoHS, REACH, and WEEE Compliant
- DNP3 and Modbus Conformance Tested
- CAN ICES-003 (B) / NMB-003 (B)
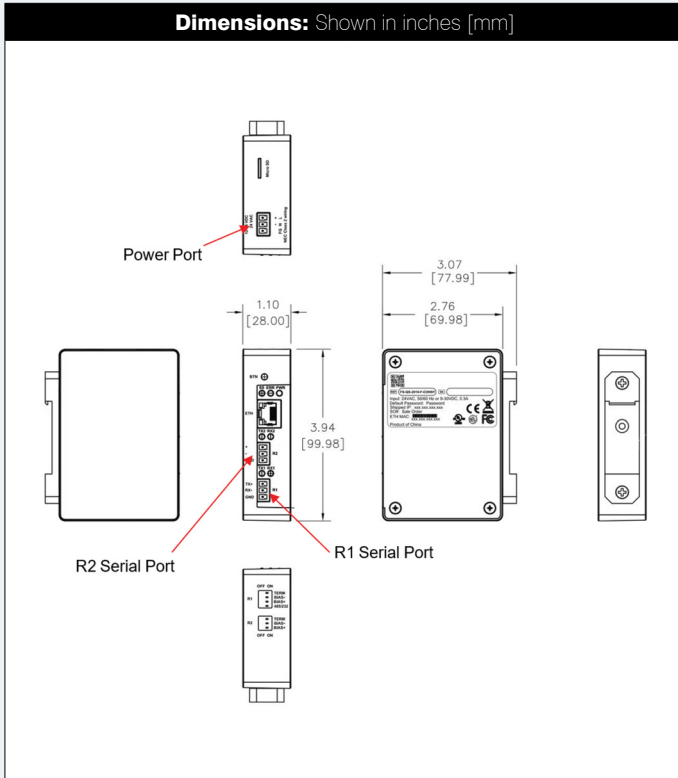- EN IEC 62368-1

BACnet® Support

- BACnet® COVs
- Supports up to 10,000 device points

Environmental

- Operating Temperature: (-4 to +158) °F / (-20 to + 70) °C
- Relative Humidity: 10-95% RH, non-condensing

Metasys® is a registered trademark of Johnson Controls, Inc. BACnet® is a registered trademark of ASHRAE. Modbus® is a registered trademark of Schneider Electric, licensed to the Modus Organization, Inc. Shark® and Nexus® are registered trademarks of Electro Industries/GaugeTech. EtherNet/IP and DF1 are trademarks of Rockwell Automation, Inc.

Dimensions: Shown in inches [mm]

Power Port

3.07 [77.99]

1.10 [28.00]

2.76 [69.98]

3.94 [99.98]

R2 Serial Port

R1 Serial Port

Ordering Information	
Part Number	**Product**
ProtoCom-KT	*ProtoCom Kit

*Kit includes the Converter, a 3 foot RS485 cable, and a 120 / 220 V to 24 V DC Power Supply.