# WebPRTL

## Seamless Communication Between Systems


WebPRTL (Web Portal) is a flexible communications device that combines the functions of a router, a gateway, and a supervisory controller. As a router, its three communication ports can be configured to route communications between various combinations of Ethernet, EIA-232, and EIA-485 networks. As a gateway, it can provide seamless translations for two-way communications between industry standard protocols such as BACnet®, Modbus, LonWorks®, JBUS, or Johnson N2 Bus, as well as an extensive list of proprietary protocols. WebPRTL fully supports EIKON®-LogicBuilder, a powerful graphical programming tool that can be used to create value added, global control strategies between systems.

### Key Features and Benefits

- Modular design insures maximum flexibility.
- Two serial ports and one Ethernet port give WebPRTL the ability to support a wide variety of industry standard and proprietary protocols.
- An extensive library of WebPRTL application programs provides immediate support for commonly encountered protocols. With experience gained through providing connectivity to hundreds of different manufacturers and models of equipment, our WebPRTL programmers can provide custom applications for almost any situation. For information on third party protocols available today contact your Automated Logic authorized systems integrator.
- Native BACnet system architecture means no application program is required to route BACnet information between dissimilar network segments. Custom application programs may be written to execute global control strategies, if desired.
- Fully supports BACnet network options (see diagram). WebPRTL can be used as a router to connect two BACnet network segments or as a gateway/router to translate other protocols into BACnet and transfer it onto a BACnet network. WebPRTL's routing tables can support up to 200 BACnet routes.
- With EIKON-LogicBuilder graphical programming, WebPRTL can serve as a global controller, gathering data from multiple networks, integrating it into system-wide control strategies, and issuing commands over multiple networks. Factory programming is available for many common WebPRTL applications, and EIKON-LogicBuilder provides the user with all the tools needed to modify or create new programs as desired. Each WebPRTL can support up to 100 separate control programs and up to 2,000 BACnet objects in addition to the network I/O points.

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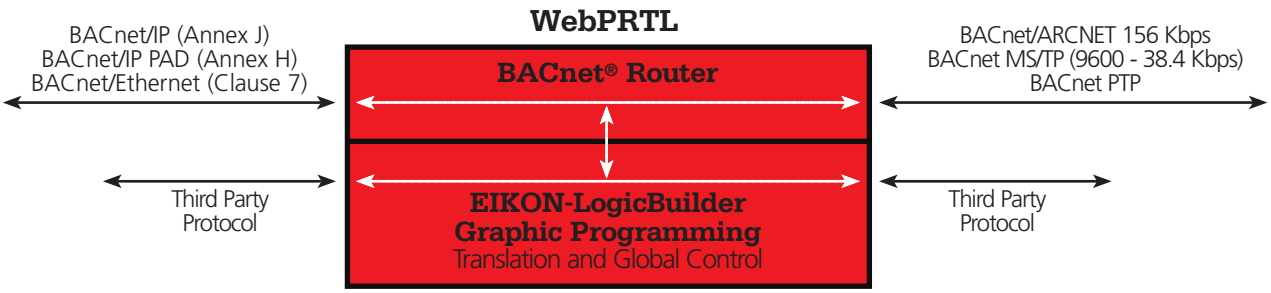
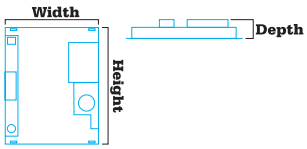
## Specifications




WebPRTL architecture is based on modular software components that include a BACnet Router and EIKON-LogicBuilder graphic programming. The EIKON-LogicBuilder graphic programming tools include Network Input and Output points that can be configured to read or write data in any supported protocol over any of the three communication ports. As an example, an EIKON-LogicBuilder program could gather data from a Modbus network connected to its EIA-485 port and from a BACnet PTP network connected to its EIA-232 port, make a control decision, and issue a command over a BACnet/IP network connected to the Ethernet port. For pure BACnet routing actions, such as routing information from BACnet/IP to BACnet MS/TP, no EIKON-LogicBuilder programming is required.

| | |
|---|---|
| Power: | 24 V-ac+/- 10%, 50-60 Hz, 0.3A (7.2VA) |
| Communication Ports: | One Ethernet port, one serial port configurable for EIA-232 or EIA-485, one EIA-485 serial port. |
| Protocols Suported: | BACnet as native protocol. Other protocols as determined by module driver software. |
| BIBB Support: | Supports BACnet Interoperability Building Blocks (BIBBs) for Data Sharing, Alarm and Event Management, Scheduling, Trending, and Device and Network Management. |
| Memory: | 1MB Flash memory and 2MB non-volatile battery backed RAM. |
| Battery: | Seven-year lithium BR2325 battery provides a minimum of 10,000 hours of data retention during power outages. |
| Fault Indication: | Hardware watchdog timer. |
| Environmental Range: | 0 to 130 deg F (-17.8 to 54.4 deg C), 10% to 90% relative humidity, non-condensing. |
| Protection: | Surge and transient protection circuitry for power and communications. |
| Listed By: | UL 916, CE, FCC part 15 Subpart B – Class A |
| Weight: | 1.6 lbs. (0.73Kg) |
| Overall Dimensions:   | 6" (width) by 7-1/8" (height) by 2-3/4" (recommended panel depth).<br>181mm (width) by 152mm (height) by 70mm (recommended panel depth). |
| Mounting Hole Dimensions:   | 4" (width) by 6-5/8" (height).<br>168mm (width) by 102mm (height). |

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CSWCPRTLrev5