DATASHEET

PROFIBUS® Multi-Slave or PROFIBUS® Network Analyzer Gateway

AN-X-PB

The PROFIBUS® Multi-Slave or PROFIBUS Network Analyzer Gateway has two distinct operational modes. The first mode, PROFIBUS Multi-Slave, enables the transfer of large amounts of data from a PROFIBUS DP Master controller to EtherNet/IP™ and/or Modbus TCP-enabled PLCs. The Multi-Slave functionality allows up to 15,250 words of Input and Output data to be transferred without requiring multiplexing PLC code to be written in a traditional single slave solution. The second mode, PROFIBUS Network Capture, facilitates the capture, logging, and filtering of packets on a PROFIBUS network without interrupting the running production network. This enables a root cause analysis to be performed on the captured PROFIBUS packets which aids in the identification of complex issue(s).

PROFIBUS® Multi-Slave Features:

- Configures through a web browser (No special configuration software required)
- Configuration option of 1 to 125 PROFIBUS slaves
- Supports PROFIBUS Baud Rates of 9600 bps - 12 Mbps
- PROFIBUS Network monitoring tool shows network traffic to and from a user specified node address
- Ability to view configuration and diagnostics through a web browser enabling remote monitoring or troubleshooting
- Supports sending up to 250 words of input data, and 248 words of output data on an I/O connection to an Allen-Bradley® PLC
- Supports Class 3 message instructions to move data to Allen-Bradley PLCs
- Supports up to 16 Modbus TCP client connections
- Supports Modbus Function Codes 2, 4, 5, 6, 15, 16

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PROFIBUS® Capture Features:

- Passively monitors all PROFIBUS packets sent across the network
- Capture file can be configured to use a circular buffer, to capture data for a specific amount of time, or to stop capturing after a specified number of errors have occurred.
- Filtering options include: Source Address, Destination Address, Frame Control Values, Detailed Status, Frame Data, and Frame CheckSum which enables only the data specified to be logged and displayed
- A filtering equation can be written to further limit the captured and displayed data
- Customizable time format
- Captured data can be saved for future use
- Passively monitors all PROFIBUS packets sent across the network

Hardware Specifications

Specification	Description
Ports	1 RJ45 10/100 Mbps Ethernet port for EtherNet/IP™ connection 1 DB9 serial connector for the PROFIBUS network connection 1 Phoenix 3-pin power connector
Typical Power Consumption	300 mA @ 12 Vdc or 150 mA @ 24 Vdc
Maximum Power Dissapation	3.6W
Operating Temp	32°F to 122°F (0 ºC to 50 ºC)
Storage Temperature	-40°F to 185°F (-40 ºC to 85 ºC)
Dimensions	107 mm x 126 mm x 34 mm (4.18 in x 4.97 in x 1.33 in) not including connectors
Humidity	5% to 95% RH, with no condensation

Desktop use or DIN Rail Mountable

Ordering Information

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How to Contact Us: Sales and Support

Sales and Technical Support for this product are provided by ProSoft Technology. Contact our worldwide Sales or Technical Support teams directly by phone or email:

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