

Where Automation Connects.



PLX51-PBS

**PROFIBUS DP Slave to EtherNet/IP™,
Modbus® TCP/IP, or Modbus® Serial
Gateway**

Stand Alone Gateway

September 3, 2020

Your Feedback Please

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PLX51-PBS Release Notes

September 3, 2020

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Contents

| | |
|--|----------|
| Your Feedback Please..... | 2 |
| Content Disclaimer..... | 2 |
| 1 Start Here | 4 |
| 1.1 About the PLX51-PBS..... | 4 |
| 1.2 Release Enhancements | 5 |
| 2 Support, Service & Warranty | 6 |
| 2.1 Contacting Technical Support | 6 |
| 2.2 Warranty Information..... | 6 |

1 Start Here

This document highlights the new features, fixes, enhancements and known issues for the PLX51-PBS gateway.

1.1 About the PLX51-PBS

The PLX51-PBS gateway provides connectivity to EtherNet/IP™, Modbus® TCP/IP, or Modbus® Serial networks for PROFIBUS DP networks by operating as a PROFIBUS DP slave.

For easy integration to a Rockwell Automation Controller, the gateway and configuration software create dynamic AOI's based on the user configuration to add logical tag names to the PLC project file. Thus, reducing programming time.

For configuration of Modbus TCP/IP or Modbus Serial Networks, the module will automatically map PROFIBUS DP data points to registers on a Modbus network.

With advanced tools such as a built in PROFIBUS DP packet capture utility, PROFIBUS DP network commissioning time can be greatly reduced.

Dual Ethernet ports of the module can support either DLR (Device Level Ring) topology, or can be used as an embedded switch for flexible installation options.

With support for up to 1536 bytes of Input and Output data, and up to 4 EtherNet/IP connections back to the processor, this module provides performance and data throughput for even the most demanding of PROFIBUS applications.

As a PROFIBUS DP slave device, the module can emulate from 1 to as many as 10 slave DP nodes, providing up to 1536 bytes of Input and Output Cyclic I/O data between EtherNet/IP devices and a PROFIBUS DP master. This eliminates the need for using DPV1 messaging when more than 244 bytes of data needs to be exchanged between a PROFIBUS master and an EtherNet/IP network.

1.2 Release Enhancements

| Release Version | Release Date | Description |
|-----------------|--------------|--|
| 1.001.035 | 6-Jul-2020 | <ul style="list-style-type: none">• Added support for configuration upload• Fixed issues:<ul style="list-style-type: none">○ Data exchange bits to clear after slave node address change○ Supports Modbus function 5 and 6○ Slave sends requests to Modbus register when auxiliary map is enabled |
| 1.001.032 | 9-Jan-2020 | <ul style="list-style-type: none">• Added Modbus TCP/IP and RTU functionality• Added Modbus Auxiliary Map and Modbus Packet Capture to PLX50CU• Fixed issues with previous EIP release<ul style="list-style-type: none">○ Show major, minor, and build revisions in Status Window○ TCP/ARP tab of status window display issue |
| 1.001.017 | 28-Aug-2019 | Release |

2 Support, Service & Warranty

2.1 Contacting Technical Support

ProSoft Technology, Inc. is committed to providing the most efficient and effective support possible. Before calling, please gather the following information to assist in expediting this process:

- 1 Product Version Number
- 2 System architecture
- 3 Network details

If the issue is hardware related, we will also need information regarding:

- 1 Module configuration and associated ladder files, if any
- 2 Module operation and any unusual behavior
- 3 Configuration/Debug status information
- 4 LED patterns
- 5 Details about the interfaced serial, Ethernet or Fieldbus devices

Note: For technical support calls within the United States, ProSoft's 24/7 after-hours phone support is available for urgent plant-down issues.

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