Where Automation Connects.

PLX51-PBM

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

RELEASE NOTES

Your Feedback Please

We always want you to feel that you made the right decision to use our products. If you have suggestions, comments, compliments or complaints about our products, documentation, or support, please write or call us.

ProSoft Technology, Inc.
+1 (661) 716-5100
+1 (661) 716-5101 (Fax)
www.prosoft-technology.com
ps.support@belden.com

PLX51-PBM Release Notes
For Public Use.

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Printed documentation is available for purchase. Contact ProSoft Technology for pricing and availability.

Contents

1   Start Here

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

1.1   About the PLX51-PBM

The PLX51-PBM gateway provides connectivity to EtherNet/IP™, Modbus TCP/IP®, or Modbus® Serial networks for PROFIBUS DP networks by operating as either a Master or Slave device on the PROFIBUS DP network.

1.2   Release Enhancements

Release Version	Release Date	Description
1.001.045	17-Jun-2025	**New Features** • Network parameters can now be saved on the SD Card, which will allow a factory default module to also update the network parameters from the SD Card on startup. • Updated DP Master Comms to match that of the PXM. PXM had enhancements to better manage when two masters share a DP network, as well as handling noisy DP networks. **Fixes & Changes** • Resolved issue where M580 SE Controller HSBY swap would result in long delay before PLX51-PBM reconnects. • Resolved issue where odd number of bytes in the last slot with a SINT datatype (when using Modbus) would overwrite the next device data exchange. • Resolved extra byte being copied to Modbus register when odd bytes in mapping. • Resolved multiple bytes with odd total number not being copied correctly to PROFIBUS output. • Resolved anomaly with SD Card Configuration backup that could cause the module to lock up on startup. • Limited DP parameter and configuration size to avoid a buffer overrun with incorrect GSD files.
1.001.042	1-Nov-2022	Minimum firmware revision required to run on hardware with the "HB" designation in the F/W REV product label.
1.001.041	30-Jun-2021	**New Features** • Added support to emulate Legacy Prolinx slave device • EtherNet/IP Explicit Messaging feature • Added support to allow a PROFIBUS DP Master to upload configuration (PLX51-PBM Slave Mode) • Added byte/word swapping at device level • Added option to force DP Slave data to 0 during communication loss (PLX51-PBM Master mode) • Added support for Modbus Function Codes 5 & 6 • Added support for slave devices with PROFIBUS Identity 0.

1.001.038	31-Mar-2021	**New Features** • Added Non-SINT Array support • Added Modbus Communication Status • DP Slaves online during communication failure feature • Fixed PROFIBUS Endian format in Modbus modes for INT data types
1.001.035	1-Jul-2020	**New Features** • Added Modbus TCP/IP and RTU functionality • Added support for importing legacy PCB files **Fixes & Changes** • Shows major, minor, and build revisions in the target browser & device flash • Fixed TCP/ARP window display • Data Exchange bits to clear after slave node address is changed during data exchange.
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

North America (Corporate Location)	Europe / Middle East / Africa Regional Office
Phone: +1 661-716-5100 ps.prosofttechnology@belden.com Languages spoken: English, Spanish REGIONAL TECH SUPPORT ps.support@belden.com	Phone: +33.(0)5.34.36.87.20 ps.europe@belden.com Languages spoken: English, French, Hindi, Italian REGIONAL TECH SUPPORT ps.support.emea@belden.com
Latin America Regional Office	**Asia Pacific Regional Office**
Phone: +52.222.264.1814 ps.latinam@belden.com Languages spoken: English, Spanish, Portuguese REGIONAL TECH SUPPORT ps.support.la@belden.com	Phone: +60.3.2247.1898 ps.asiapc@belden.com Languages spoken: Bahasa, Chinese, English, Hindi, Japanese, Korean, Malay REGIONAL TECH SUPPORT ps.support.ap@belden.com

For additional ProSoft Technology contacts in your area, please see:
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