

Where Automation Connects.



PLX31-EIP-MBTCP

**EtherNet/IP™ to Modbus® TCP/IP
Communication Gateway**

August 26, 2026

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.

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1 Start Here

This document highlights the new features, fixes, enhancements and known issues for the PLX31-EIP-MBTCP gateway.

1.1 About the PLX31-EIP-MBTCP

ProSoft Technology's EtherNet/IP™ to Modbus® TCP/IP communication gateway allows high-speed bi-directional data transfers between EtherNet/IP™ enabled controllers or devices and Modbus® TCP/IP controllers or devices. The Modbus® TCP/IP driver features multiple client and server functionality, for faster data transmission.

In addition, the gateway includes several features, including data prioritization, that allow for simplified integration, reduced commissioning time and optimized performance.

1.2 Release Enhancements

Release Version	Release Date	Description
1.007.019	17-Jul-2026	Fixed Enron-Daniels Offset parameter issue for MBTCP client
1.007.012	19-May-2026	Data Map overwrites data area with extraneous information when Register Count is larger than 26.
1.007.006	23-Jun-2025	Fixes & Changes • MBTCP driver change - Options field is no longer used in the TCP layer. • CIP Generic request transaction sequence number is now properly updated for each request. • Name of Service within EIP ListServices response was changed from 'COMMUNICATIONS' to 'Communications'. • Updated CIP Generic response error code value and count. • Resolved issue where the gateway would return an incorrect error code when an EIP Class 1 connection outside of its subnet was made. • Updated startup script to allow reboot after kernel update that was being interrupted by the BusyBox upgrade.
1.006.048	30-Dec-2024	• Fixed MBTCP Output and Bit Input offset overflow issue. • Upgraded BusyBox to v1.36.1 (CVE-2022-48174).
1.006.032	02-Apr-2024	New Features • Added FOSS BOM information to the gateway webpage. Fixes & Changes • Updated embedded EDS file.
1.006.030	11-Aug-2023	New Features • Added support for all possible subnet mask values. Fixes & Changes • EtherNet/IP driver upgrade (added LLDP functionality) which passed ODVA 19.1 conformance testing. • Updated embedded EDS file with 8 I/O connection support.

		- Resolved conditional write commands and retry method for MBTCP client. - Updated kernel to v1.4 to resolve gateway not finishing boot up sequence after a power cycle. - Fixed the response to an IO connection from an originator outside of subnet with a TTL value of 1.
1.005.011	28-Nov-2022	Fixes & Changes - Corrected exception code response to Modbus FC 1 command. - Corrected MBTCP Conditional Commands. - Added EIP Server status information to upper memory.
1.005.006	15-Jul-2022	Added Command Control Register to Modbus TCP Client Driver.
1.005.005	31-May-2022	Class 1 connection times out when Modbus coils are read.
1.005.003	03-Nov-2021	Extended bit level addressing to full 160,000 capacity.
1.005.001	28-Aug-2020	Fixes & Changes - Version change to match ODVA certification. - Increases Internal Database size from 4,000 to 10,000 words.
1.04.032	20-Nov-2018	PLX31-EIP-MBTCP shows Eth1 port is still active preventing communication with the PLC configured with IP 192.168.1.250.
1.04.030	04-Jun-2018	Fixed transaction ID issue when there is a brief time causing mismatched IDs.
1.04.004	09-Feb-2017	Security Feature Implementation – Validate kernel upgrade did not affect protocol communication.
1.03.001	17-Nov-2017	Implementation of CIP Generic.
1.02.010	06-Jul-2017	Fixed Function 08 Incomplete Response.
1.02.007	28-Jun-2016	Issue with Class 3 Client Controller Tag Access command Data Types.
1.02.004	19-Feb-2016	UDP Broadcast Packet from Source port 50000 causes flood on Network (repeated Discovery Service Response to network).
1.02.003	31-Jul-2015	Command error -37 and -45 generated with 8 server connections.
1.02.001	14-Nov-2014	EtherNet/IP driver upgrade that passed ODVA CT11 certification test. EDS file was also updated with new version 1.2
1.01.148	27-Feb-2014	New base to accommodate PLX32.
1.01.148	27-Feb-2014	Fixes EIP connection timeout value set during Forward Open request (Class 3). The previous value was too high causing the connections to remain in processor cache for a long time, so eventually the processor would run out of connections. The new connection value is 5 seconds. Compatible with new base image version 1.00.140 which uses extended serial number based upon full mac address and supports the setting of default IP address through middle jumper.
1.01.137	31-Jul-2013	EIP Class 3 Client x Command Basic fix to Register Count limitation of 122. Higher Register Counts caused the gateway to crash.
1.01.136	28-Jun-2013	Compatible with PLX20 and PLX30 hardware.
1.01.135	04-Oct-2012	Implements ODVA code that passed certification.
1.01.134	13-Aug-2012	New Features - Implemented EDS AOP and ODVA LEDs. - Connection index is now 1-based for EDS AOP compatibility.
1.00.123	11-Apr-2012	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

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