ProSoft®
TECHNOLOGY

Where Automation Connects.

PLX51-HART-4I/O
HART Input / Output Gateway
Multidrop Field Devices

November 21, 2025

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-HART-4I and PLX51-HART-4O Release Notes
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November 21, 2025

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Contents

1   Start Here

This document highlights the new features, fixes, enhancements and known issues for the PLX51-HART-4I/4O Gateway modules.

1.1   About the PLX51 Products

Model	Standards
PLX51-HART-4I	UL/cUL; Class1Div2
PLX51-HART-4O	UL/cUL; Class1Div2

The **PLX51-HART-4I** allows users to easily connect their existing HART-compatible field devices to EtherNet/IP™, Modbus® TCP/IP, and DNP3 Ethernet networks. The module can be used to connect HART Input devices such as process instruments into an Ethernet network.

The PLX51-HART-4I supports up to 4 channels of HART communication, as well as Analog 4-20 mA signals for real-time process variables to/from the HART-compatible device.

The **PLX51-HART-4O** allows users to easily connect their existing HART-compatible field devices to EtherNet/IP™, Modbus® TCP/IP, and DNP3 Ethernet networks.

The module can be used to connect HART Output devices such as valve positioners into an Ethernet network. The PLX51-HART-4O supports up to 4 channels of HART communication, as well as Analog 4-20 mA signals for real-time process variables to/from the HART-compatible device.

1.2   Release Enhancements

Release Version	Release Date	Description
1.003.009	11-Feb-2020	• Fixed DNP3 UNIT8 device info range • Fixed DNP3 UNIT8 range read • Fixed Zero process variable that does not exist in CMD 3 response for multidrop devices • Added support for rapid fire Modbus TCP/IP • Added support for multiple Modbus requests in a single TCP packet
1.003.006	24-Oct-2019	• HART Fault bit in the device status will now only be used for the primary device while each multidrop still uses its poll status to indicate a device fault.

1.003.005	17-Oct-2019	• Some devices when polled (using HART Cmd 3), do not send the full Process Variable packet or sends zero values for variables that are not supported. The firmware will now check for this and does not update the values of variables not received.
1.003.004	6-Sep-2019	• Fixed DNP3 signed INT mapping • Added support for PCCC (AB-ETH protocol) allowing legacy controllers (e.g. SLC500) to access the HART module • Added multidrop support for Modbus TCP protocol • Added automated multidrop support for Logix - (option of new UDT structure or ProSoft legacy MVI56 UDT) • Added support for FTview (without needing a Logix Controller) for main and multidrop HART devices • Added DIP 3 Config Download block • Added DIP 4 fixed IP address 192.168.1.100 • Fixed issue where scaled value keeps getting updated from output assembly when program mode and set to force to value on output. • Fixed Modbus mapping conversion range check to always use INT sizes • Updates to Write Register locations for output devices • Updates to Holding Register locations for HART statistics • Fixed issue of HART unit code values not displayed correctly when using DNP3 protocol to poll for Group 102, Variation 1 • When updating DNP3 security key for communications between master and slave, the current session key will be cleared, forcing the reissue of session keys
1.003	31-Oct-2018	Initial 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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