

## PLX51-HART-4I/O

Hart Input / Output Gateway  
Multidrop Field Devices



November 5, 2019

## 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](http://www.prosoft-technology.com)

[support@prosoft-technology.com](mailto:support@prosoft-technology.com)

PLX51-HART-4I Release Notes

PLX51-HART-4O Release Notes

November 5, 2019

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# 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
<b>PLX51-HART-4I</b>	UL/cUL; Class1Div2
<b>PLX51-HART-4O</b>	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
1.003.006	10/24/2019	<ul style="list-style-type: none"> <li>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.</li> </ul>
1.003.005	10/17/2019	<ul style="list-style-type: none"> <li>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.</li> </ul>
1.003.004	9/6/2019	<ul style="list-style-type: none"> <li>Fixed DNP3 signed INT mapping</li> <li>Added support for PCCC (AB-ETH protocol) allowing legacy controllers (e.g. SLC500) to access the HART module</li> <li>Added multidrop support for Modbus TCP protocol</li> <li>Added automated multidrop support for Logix - (option of new UDT structure or ProSoft legacy MVI56 UDT)</li> <li>Added support for FTview (without needing a Logix Controller) for main and multidrop HART devices</li> <li>Added DIP 3 Config Download block</li> <li>Added DIP 4 fixed IP address 192.168.1.100</li> <li>Fixed issue where scaled value keeps getting updated from output assembly when program mode and set to force to value on output.</li> <li>Fixed Modbus mapping conversion range check to always use INT sizes</li> <li>Updates to Write Register locations for output devices</li> <li>Updates to Holding Register locations for HART statistics</li> <li>Fixed issue of HART unit code values not displayed correctly when using DNP3 protocol to poll for Group 102, Variation 1</li> <li>When updating DNP3 security key for communications between master and slave, the current session key will be cleared, forcing the reissue of session keys</li> </ul>
1.003	10/31/2018	Initial Release

## 2 Support, Service & Warranty

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### 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 serial, Ethernet or Fieldbus devices interfaced to the module, if any.

**Note:** For technical support calls within the United States, an emergency after-hours answering system allows 24-hour/7-days-a-week pager access to one of our qualified Technical and/or Application Support Engineers. Detailed contact information for all our worldwide locations is available on the following page.

Asia Pacific	Europe / Middle East / Africa
<p><b>Regional Office</b> Phone: +603.7724.2080 asiapc@prosoft-technology.com Languages spoken: Bahasa, Chinese, English, Japanese, Korean REGIONAL TECH SUPPORT support.ap@prosoft-technology.com</p>	<p><b>Regional Office</b> Phone: +33.(0)5.34.36.87.20 europe@prosoft-technology.com Languages spoken: French, English REGIONAL TECH SUPPORT support.emea@prosoft-technology.com</p>
<p><b>North Asia (China, Hong Kong)</b> Phone: +86.21.5187.7337 china@prosoft-technology.com Languages spoken: Chinese, English REGIONAL TECH SUPPORT support.ap@prosoft-technology.com</p>	<p><b>Middle East &amp; Africa</b> Phone: +971.4.214.6911 mea@prosoft-technology.com Languages spoken: Hindi, English REGIONAL TECH SUPPORT support.emea@prosoft-technology.com</p>
<p><b>Southwest Asia (India, Pakistan)</b> Phone: +91.98.1063.7873 india@prosoft-technology.com Languages spoken: English, Hindi, Urdu</p>	<p><b>North Western Europe (UK, IE, IS, DK, NO, SE)</b> Phone: +44.(0)7415.864.902 nweurope@prosoft-technology.com Language spoken: English</p>
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<p><b>Southeast Asia (Singapore, Indonesia, Philippines)</b> Phone: +603.7724.2080 seasia@prosoft-technology.com Languages spoken: English, Bahasa, Tamil</p>	<p><b>Austria, Germany, Switzerland</b> Phone: +33.(0)5.34.36.87.20 germany@prosoft-technology.com Language spoken: English, German</p>
<p><b>Northeast &amp; Southeast Asia (Japan, Taiwan, Thailand, Vietnam, Malaysia)</b> Phone: +603.7724.2080 neasia@prosoft-technology.com Languages spoken: English, Chinese, Japanese</p>	<p><b>BeNeLux, France, North Africa</b> Phone: +33(0)5.34.36.87.27 france@prosoft-technology.com Languages spoken: French, English</p>
<p><b>Korea</b> Phone: +603.7724.2080 korea@prosoft-technology.com Languages spoken: English, Korean</p>	<p><b>Mediterranean Countries</b> Phone: +39.342.8651.595 italy@prosoft-technology.com Languages spoken: Italian, English, Spanish</p>

Latin America	North America
<p><b>Brazil, Argentina, Uruguay</b> Phone: +55.11.5084.5178 brasil@prosoft-technology.com Languages spoken: Portuguese, Spanish, English REGIONAL TECH SUPPORT support.la@prosoft-technology.com</p> <p><b>Mexico</b> Phone: +52.222.264.1814 mexico@prosoft-technology.com Languages spoken: Spanish, English REGIONAL TECH SUPPORT support.la@prosoft-technology.com</p> <p><b>Andean Countries, Central America, Caribbean, Chile, Bolivia, Paraguay</b> Phone: +507.6427.48.38 andean@prosoft-technology.com Languages spoken: Spanish, English REGIONAL TECH SUPPORT support.la@prosoft-technology.com</p>	<p>Regional Office Phone: +1.661.716.5100 info@prosoft-technology.com Languages spoken: English, Spanish REGIONAL TECH SUPPORT support@prosoft-technology.com</p>

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