



Where Automation Connects.

## PLX51-DF1-MSG

DF1 Messaging Module  
Gateway



July 29, 2022

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

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

PLX51-DF1-MSG Release Notes

For Public Use.

July 29, 2022

ProSoft Technology® is a registered copyright of ProSoft Technology, Inc. All other brand or product names are or may be trademarks of, and are used to identify products and services of, their respective owners.

## Content Disclaimer

This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither ProSoft Technology nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein. Information in this document including illustrations, specifications and dimensions may contain technical inaccuracies or typographical errors. ProSoft Technology makes no warranty or representation as to its accuracy and assumes no liability for and reserves the right to correct such inaccuracies or errors at any time without notice. If you have any suggestions for improvements or amendments or have found errors in this publication, please notify us.

No part of this document may be reproduced in any form or by any means, electronic or mechanical, including photocopying, without express written permission of ProSoft Technology. All pertinent state, regional, and local safety regulations must be observed when installing and using this product. For reasons of safety and to help ensure compliance with documented system data, only the manufacturer should perform repairs to components. When devices are used for applications with technical safety requirements, the relevant instructions must be followed. Failure to use ProSoft Technology software or approved software with our hardware products may result in injury, harm, or improper operating results. Failure to observe this information can result in injury or equipment damage.

© 2022 ProSoft Technology. All Rights Reserved.

# Contents

Your Feedback Please .....	2
Content Disclaimer .....	2
<b>1 Start Here</b> .....	<b>4</b>
1.1 About the PLX51 Products .....	4
1.2 Release Enhancements .....	5
<b>2 Support, Service &amp; Warranty</b> .....	<b>7</b>
2.1 Contacting Technical Support .....	7
2.2 Warranty Information .....	7

# 1 Start Here

This document highlights the new features, fixes, enhancements and known issues for the PLX51-DF1-MSG Gateway module.

## 1.1 About the PLX51 Products

Model	Standards
<b>PLX51-DF1-MSG</b>	UL/cUL; Class1Div2

The DF1 messaging module can be used in applications requiring DF1 to Logix messaging. The module can be used to communicate between PC's or PLC's using DF1™ or EtherNet/IP™.

The PLX51-DF1-MSG module provides DF1 to EtherNet/IP connectivity for SLC™ 500, CompactLogix™ and MicroLogix™ controllers, as well as many other DF1™- enabled devices.

The module can be used as a DF1 radio modem, messaging between DF1 and EtherNet/IP controllers.

## 1.2 Release Enhancements

Release Version	Release Date	Description
1.003.010	20-Jul-2022	<ul style="list-style-type: none"> <li>Customers with module version number prior to <b>1.003.009</b> will be able to successfully upgrade the module firmware to version <b>1.003.010 or newer</b>.</li> <li>Customers with module version number <b>1.003.010 or newer</b> will <b>not</b> be able to downgrade their firmware to 1.003.009 or older.</li> </ul>
1.003.009	2-Feb-2021	<ul style="list-style-type: none"> <li>Fixed anomaly where a NAK received message was incorrectly handled when the module is operating as a HD Slave.</li> </ul>
1.003.008	13-Nov-2020	<ul style="list-style-type: none"> <li>Added DF1 Slave ENQ unloading when wrong TNS was received.</li> <li>Fixed issue in HD mode where the response packets from other devices were seen as checksum errors.</li> <li>Fixed issue where the gateway only unloads HD response once the ACK has been received. If no ACK then the same response is resent.</li> <li>Fixed issue - When DF1 is in Slave mode, mapping would use the length of mapped item. For example, N100 to be mapped to N10, because it only looks at the N10 characters. The DF1_get_tag_map function length should match.</li> </ul>
1.003.006	7-Jan-2020	<ul style="list-style-type: none"> <li>Fixed Scheduled SLC Read/Write for file numbers over 99.</li> <li>Fixed issue where when in Bridge Mode HD Master - cannot send from node 16.</li> <li>Added processing and capture of EOT packet.</li> <li>Fixed issue where when replying in bridge mode - HD Slave - when ACK was not received in time, must not send ENQ</li> </ul>
1.003.003	2-Sep-2019	<ul style="list-style-type: none"> <li>Fixed issue where half duplex comms sends an ACK regardless if the destination address is in the mapping.</li> <li>Fixed issue which could cause the DF1 Comms to become unresponsive if the link to the Logix controller was broken, while the Ethernet Link on the module is still up, and DF1 messages are received frequently without any timeout on the DF1 Master.</li> </ul>
1.003.002	14-May-2019	<ul style="list-style-type: none"> <li>Added Micro Revision.</li> <li>Updated ARP behaviour to not fill up with broadcast messages.</li> <li>Fixed issue where PCCC message buffer rejects messages when there are more than 3 buffered (should be 5).</li> <li>Support for SLC FNC 0xAB in Slave mode which is Masked write.</li> <li>Support for PLC5 Typed Write with only a single element (non - array) in slave mode.</li> <li>Added DIP4 forcing the module to fixed IP address 192.168.1.100.</li> </ul>

		<ul style="list-style-type: none"><li>Updated ENIP connection creation to use Default Gateway Address when destination IP address is out of subnet.</li></ul>
1.001	20-Dec-2017	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 serial, Ethernet or Fieldbus devices interfaced to the module, if any.

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

<p><b>North America (Corporate Location)</b></p> <p>Phone: +1.661.716.5100                  info@prosoft-technology.com                  Languages spoken: English, Spanish                  REGIONAL TECH SUPPORT                  support@prosoft-technology.com</p>	<p><b>Europe / Middle East / Africa Regional Office</b></p> <p>Phone: +33.(0)5.34.36.87.20                  france@prosoft-technology.com                  Languages spoken: French, English                  REGIONAL TECH SUPPORT                  support.emea@prosoft-technology.com</p>
<p><b>Latin America Regional Office</b></p> <p>Phone: +52.222.264.1814                  latinam@prosoft-technology.com                  Languages spoken: Spanish, English                  REGIONAL TECH SUPPORT                  support.la@prosoft-technology.com</p>	<p><b>Asia Pacific Regional Office</b></p> <p>Phone: +60.3.2247.1898                  asiapc@prosoft-technology.com                  Languages spoken: Bahasa, Chinese, English, Japanese, Korean                  REGIONAL TECH SUPPORT                  support.ap@prosoft-technology.com</p>

For additional ProSoft Technology contacts in your area, please visit: [www.prosoft-technology.com/About-Us/Contact-Us](http://www.prosoft-technology.com/About-Us/Contact-Us).

### 2.2 Warranty Information

For complete details regarding ProSoft Technology's TERMS & CONDITIONS OF SALE, WARRANTY, SUPPORT, SERVICE AND RETURN MATERIAL AUTHORIZATION INSTRUCTIONS, please see the documents at: [www.prosoft-technology.com/legal](http://www.prosoft-technology.com/legal)