



Where Automation Connects.



PLX51-DF1-MSG

DF1 Messaging Module
Gateway

January 6, 2026

RELEASE NOTES

Your Feedback Please

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PLX51-DF1-MSG Release Notes

For Public Use.

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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
PLX51-DF1-MSG	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"> Customers with module version prior to 1.003.009 will be able to successfully upgrade the module firmware to version 1.003.010 or newer. Customers with module version number 1.003.010 or newer will not be able to downgrade their firmware to 1.003.009 or older.
1.003.009	2-Feb-2021	<ul style="list-style-type: none"> Fixed anomaly where a NAK received message was incorrectly handled when the module is operating as a HD Slave.
1.003.008	13-Nov-2020	<ul style="list-style-type: none"> Added DF1 Slave ENQ unloading when wrong TNS was received. Fixed issue in HD mode where the response packets from other devices were seen as checksum errors. Fixed issue where the gateway only unloads HD response once the ACK has been received. If no ACK then the same response is resent. 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.
1.003.006	7-Jan-2020	<ul style="list-style-type: none"> Fixed Scheduled SLC Read/Write for file numbers over 99. Fixed issue where when in Bridge Mode HD Master - cannot send from node 16. Added processing and capture of EOT packet. Fixed issue where when replying in bridge mode - HD Slave - when ACK was not received in time, must not send ENQ
1.003.003	2-Sep-2019	<ul style="list-style-type: none"> Fixed issue where half duplex comms sends an ACK regardless if the destination address is in the mapping. 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.
1.003.002	14-May-2019	<ul style="list-style-type: none"> Added Micro Revision. Updated ARP behaviour to not fill up with broadcast messages. Fixed issue where PCCC message buffer rejects messages when there are more than 3 buffered (should be 5). Support for SLC FNC 0xAB in Slave mode which is Masked write. Support for PLC5 Typed Write with only a single element (non - array) in slave mode. Added DIP4 forcing the module to fixed IP address 192.168.1.100.

		<ul style="list-style-type: none">Updated ENIP connection creation to use Default Gateway Address when destination IP address is out of subnet.
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 interfaced serial, Ethernet or Fieldbus devices

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