

Where Automation Connects.



PLX51-DNPM

Distributed Network Protocol (DNP3)
Master Gateway

July 24, 2026

RELEASE NOTES

Your Feedback Please

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For Public Use.

July 24, 2026

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Contents

Your Feedback Please	2
Content Disclaimer	2
 1 Start Here	 4
1.1 About the PLX51-DNPM	4
1.2 Release Enhancements	4
 2 Support, Service & Warranty	 7
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-DNPM gateway.

1.1 About the PLX51-DNPM

The PLX51-DNPM gateway provides intelligent routing between DNP3 (Distributed Network Protocol) and either EtherNet/IP™ or Modbus® protocols. The gateway supports Ethernet and Serial communications. The PLX51-DNPM gateway is a DNP3 Master.

The gateway allows the user to integrate DNP3 devices over a secure link into a Rockwell Automation® Logix system with minimal effort. No copying or mapping of data in the Logix controller is required, as the PLX51-DNPM writes directly into Logix tags.

1.2 Release Enhancements

Release Version	Release Date	Description
1.003.029	23-Jun-2026	Fixed anomaly where a specific data link layer packet from the DNP Outstation could reset the PLX51-DNPM.
1.003.028	27-Oct-2025	Fixes & Changes - Fixed issue where timestamp could be corrupted due to copying a 6-byte value into 8-byte variable, causing the upper two bytes to not clear. - Now only sends the updated time when the local time has been updated. - When a device responds with function not supported, then it will move on to next scheduled item.
1.003.027	02-Nov-2021	When in Concentrator mode, clearing the Device Trouble bit and Modbus Comm OK check should not happen.
1.003.026	30-Sep-2021	Fixed anomaly when the PLX51-DNPM is operating as a Concentrator and a received event is not part of the mapped items, it would not be confirmed. This would cause the event in the outstation to never be unloaded. Now the event is confirmed even if it is not part of the mapped items, but not internally logged.
1.003.025	27-Sep-2021	Fixed anomaly when the PLX51-DNPM is operating as a Concentrator where an unsolicited response was sent and no confirmation was received, then the gateway would not reply to any other requests.
1.003.024	16-Sep-2021	Fixes & Changes - Support and timing adjustment for SAME70 Q21 Series B CPU. - For direct operate, if there is more than one packet received for the request, the response is failed and data overflow counter is increased.
1.003.023	02-Jul-2021	Fixed issue where the logging of DNP operate commands in the outstation would double the starting index offset.
1.003.022	01-Jul-2021	Fixed anomaly where EIP Class 1 target connection would stay connected after changing the operating interface to Modbus.
1.003.021	10-Jun-2021	New Features Added support for SAME70-Q21B.

		- Added support to update gateway time by using either Logix or PLX50CU. Fixes & Changes - Updated the Freeze TOC for Logix to be shown in μs and not ms (which is not correctly displayed in Logix).
1.003.020	04-Jun-2021	New Features - Added support for SAME70-Q20 IC. Fixes & Changes - Fixed anomaly where under certain brownout conditions the DNP events in RAM would not be saved before the power down.
1.003.019	12-May-2021	Fixes & Changes - Fixed anomaly that would not allow 200 TCP clients to simultaneously operate. - Fixed anomaly that would not allow multiple IP addresses with the same MAC address.
1.003.018	26-Apr-2021	Fixes & Changes - Fixed Master Freeze Commands for Modbus interface (bit clearing was not correct). - Fixed Master Modbus Var 0 for Counters, Frozen Counters, Analog Inputs, and Frozen Analogs with 16-bit without flag (incorrect format). - When DNP3 communications are inhibited, the gateway clears the last transaction OK bits for all mapped items (used in P2P solution).
1.003.017	18-Apr-2021	Fixes & Changes - Updated webserver. - Resolved minor anomalies. - Fixed Variation 0 read padding issue. - Updated Frozen Counter 16bit with Time for Logix v32 and newer (must be 64bit aligned).
1.003.016	22-Feb-2021	New Features - Added option for when time is updated (e.g. NTP) then it must sync all other outstations. - Added support for String Octet DNP object - Logix, Micro800, Slave, Concentrator, Modbus. - Added support for Freeze commands as Master or Concentrator. - Gregorian time is placed in the Modbus info registers. - DNP port is configurable for TCP and UDP. - Supports new enhanced TCP stability. - Supports Variation 0 request for Modbus and EtherNet/IP. - Minor anomaly fixes.
1.003.015	15-Mar-2021	Added unsolicited responses for Concentrator mode on DNP slave side.
1.003.014	03-Feb-2021	New Features - Added support for Unsolicited Responses when operating in Concentrator mode. Fixes & Changes - Increased binary configuration size from 64KB to 128KB. - Increased configuration size 64KB to 128KB.
1.003.013	20-Nov-2020	Fixes & Changes - Fixed anomaly as DNP Master where more than 255 mapped items in schedule would not work. - Fixed anomaly where different large configurations being downloaded could cause the flash used for configuration to become corrupt.

1.003.012	16-Nov-2020	Additional update for Dir-Op-NA causing a request to not send on DNP3 TCP/UDP when the next mapped item was a read function.
1.003.011	11-Nov-2020	Fixed anomaly with Dir-OP-NA causing a request not to send when using DNP3 TCP when the next mapped item was a read function.
1.003.010	24-Jul-2020	Fixed MB Info issue where during the checking if update is required, the size for the MB Info was not updated with the new module time addition.
1.003.009	23-Jul-2020	Updated SD Card configuration name and binary name for the PLX51-DNPM.
1.003.008	21-Jul-2020	Added Gregorian time to the Modbus Status Info which can be read from or written to a Modbus device.
1.003.007	06-Jul-2020	Updated Modbus formatting to support DINTs.
1.003.006	02-Jul-2020	Modbus internal register update trigger is for any request that reaches across or within the static MC parts (e.g. info).
1.003.005	31-Aug-2020	Fixed issue when clearing CIP stats, the General Access Errors did not clear.
1.003.004	24-Jul-2020	Fixed anomaly with Modbus Master not updating the MB Info or MB Status because it was looking at the remote MB register.
1.003.003	24-Jul-2020	Fixed anomaly with Modbus Master not updating the MB Info or MB Status.
1.003.002	15-Jul-2020	Fixed anomaly with Modbus and DNP3 baud rate for RS232 port.
1.003.001	14-Jul-2020	Updated firmware revision to match family for OVDA.
1.001.009	17-Apr-2020	Added support for enable/disable of mapping items.
1.001.008	11-Apr-2020	Updated to support multi-count event response formats.
1.001.007	24-Mar-2020	Fixed issue where incorrect range was used for DNP3 binary packed data when using Modbus.
1.001.006	05-Feb-2020	Fixed issue DNP3 Master Event Buffer unload (greater than 256 events)
1.001.005	03-Feb-2020	Fixes & Changes • Fixed Modbus packet capture sizes. • Updated inhibit to also block sending of packets. • Fixed Modbus RTU delimiter check issue.
1.001.004	31-Jan-2020	Fixed MAC assignment.

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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