

Release Notes

Ethernet Diagnostic Module

Catalog Numbers 9300-4EDM, 9300-8EDM

About This Publication

These release notes provide software enhancements, anomalies, and other usage considerations for the Ethernet Diagnostic Module, firmware revisions as follows.

Catalog Number	Firmware Revision
9300-4EDM	0.09
9300-8EDM	0.51

IMPORTANT

This release of the module requires Add-on-Profile (AOP) version 1.03.0.0. When using the AOP, select module version 1.002.

Enhancements

This section describes enhancements made in this release.

Enhancement	Description
Speed improvements	Improved process handling of module to increase overall performance
EtherNet/IP network performance enhancements	Process for handling address resolution tuned to optimize module performance on larger networks
Diagnostics	Additional debugging information added to log files
Unicast support	Added support for unicast class 1 connection

Corrected Anomalies

This section describes anomalies corrected in this release.

Anomaly	Description
Dynamic Host Configuration Protocol (DHCP)	DHCP now implements the most recent Request for Comments (RFC) standard for new or modified Internet or networking protocols
Buffering and encapsulation	Updated buffer handling and encapsulation to meet current Open DeviceNet Vendor Association (ODVA) requirements
Slow Internet Explorer (IE6) firmware update times	Changed timeout period to improve the firmware update performance with IE6 browser
Unrecognized gigaport-link state change	Gigaport-link state change now recognized when no other ports are connected
Web page handling	Optimized for improved handling of larger web pages
Ability to display all Internet Group Management Protocol (IGMP) entries	Corrected an anomaly in which the number of addresses exceeded table range
Precision Time Protocol (PTP) messages	Corrected an anomaly in which the module failed to pass PTP messages on the network
Removed auto-negotiation on ports after a watchdog reset	Auto-negotiation now happens only when the port's link status changes