

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

Additional Resources

These documents contain additional information concerning related Rockwell Automation products.

Resource	Description
Industrial Automation Wiring and Grounding Guidelines, publication 1770-4.1	Provides general guidelines for installing a Rockwell Automation industrial system.
Product Certifications website, http://www.ab.com	Provides declarations of conformity, certificates, and other certification details.

You can view or download publications at <http://literature.rockwellautomation.com>. To order paper copies of technical documentation, contact your local Rockwell Automation distributor or sales representative.

Rockwell Automation Support

Rockwell Automation provides technical information on the Web to assist you in using its products. At <http://support.rockwellautomation.com>, you can find technical manuals, a knowledge base of FAQs, technical and application notes, sample code and links to software service packs, and a MySupport feature that you can customize to make the best use of these tools.

For an additional level of technical phone support for installation, configuration, and troubleshooting, we offer TechConnect support programs. For more information, contact your local distributor or Rockwell Automation representative, or visit <http://support.rockwellautomation.com>.

Installation Assistance

If you experience a problem within the first 24 hours of installation, please review the information that's contained in this manual. You can also contact a special Customer Support number for initial help in getting your product up and running.

United States	1.440.646.3434 Monday – Friday, 8 a.m. – 5 p.m. EST
Outside United States	Please contact your local Rockwell Automation representative for any technical support issues.

New Product Satisfaction Return

Rockwell Automation tests all of its products to ensure that they are fully operational when shipped from the manufacturing facility. However, if your product is not functioning and needs to be returned, follow these procedures.

United States	Contact your distributor. You must provide a Customer Support case number (call the phone number above to obtain one) to your distributor to complete the return process.
Outside United States	Please contact your local Rockwell Automation representative for the return procedure.

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