Release Notes

ControlLogix EtherNet/IP Bridge Module

Catalog Numbers 1756-EN2T, 1756-EN2F

About This Publication

These release notes provide software compatibility requirements, enhancements, and other usage considerations for these modules.

Cat. No.	Description
1756-EN2T	ControlLogix EtherNet/IP Bridge Module
1756-EN2F	ControlLogix EtherNet/IP Fiber Bridge Module

To learn how to use these modules in a redundant system, refer to the ControlLogix Redundancy System Release Notes, publication 1756-RN650.

IMPORTANT	Before updating your 1756-EN2T module, we strongly recommend that you review information pertinent to the previous major revision, revision 1.*x*. When updating from revision 1.*x* to 2.*x*, view information for revision 1.*x* in the ControlLogix EtherNet/IP Bridge Module Firmware Revision 1.*x* Release Notes, publication 1756-RN631. Also review the content of these release notes.
	Download release notes for revision 1.*x* at http://literature.rockwellautomation.com.

Before You Begin

IMPORTANT	Revision 2.003 or later is required for the 1756-EN2T series B module. Revision 1.*x* will not run on a 1756-EN2T series B module.

To use these modules, you need the correct versions of the following software.

Software	Compatible Version
RSLogix 5000	15.00 or later
RSLinx Classic	2.51 or later
ControlFlash	4.0 or later

Enhancements

These firmware revisions contains these enhancements.

Revision	Adds support for	
2.007	Enhanced web server security.	■
	Updated electronic data sheet (EDS) file to add support for new rack.	■
2.005	ControlLogix EtherNet/IP Fiber Bridge Module, cat. no. 1756-EN2F.	
2.003	ControlLogix EtherNet/IP Bridge Module, cat. no. 1756-EN2T, series B. Firmware 2.x can also be used with the series A module.	
	ControlLogix system redundancy (RSLogix 5000 software version 16.56).	■

IMPORTANT	The 1756-EN2F module does not support 1756-series system redundancy. The 1756-EN2F module does not support autonegotiate, half duplex, or 10 M communication rate. The module is set to full duplex, 100 M communication rate.

Corrected Anomalies

This release of firmware corrects these anomalies.

Revision	Anomaly
2.007	Added the ability to correct a single-bit ECC error that results in an assert. Lgx00094517
	Corrected an anomaly that caused the module to assert when a user enters an incorrect URL in a browser. Lgx00092847
	Corrected an anomaly in which the module failed to respond to a type of message sent to it. Lgx90644
	Corrected an anomaly in which module EDS files reference an incorrect keyword. Lgx00090412
	The 1756-EN2T module refuses all outbound connections via the Ethernet port. After cycling power on the Ethernet switch or router that the 1756-EN2T module is connected to, the 1756-EN2T module may become unresponsive. The affected module does not respond to Ethernet network, backplane, or USB traffic, even though the status indicators remain green and the status display shows no errors. With this revision, the 1756-EN2T module maintains outbound connections. Lgx00081018

Application Notes

Keep the following in mind when you use the module:

- Make sure the module is operating in full duplex or autonegotiate mode.

  If your module is operating at half duplex or autonegotiates to half-duplex mode and there are a large number of collisions, the application may drop connections.

- Use Ethernet switches in your application.
- The 1756-EN2T module supports a maximum of 259 CIP connections.

  However, 3 of the 259 CIP connections are always reserved for redundant control. Therefore, 256 CIP connections are available for standard use. Because the connections are reserved, they will always appear in use even when no connections are open.

  Follow these steps to access the CIP connection information.

  1. Enter the IP address of the 1756-EN2T module into your browser.

  2. Click the Diagnostic Overview tab.
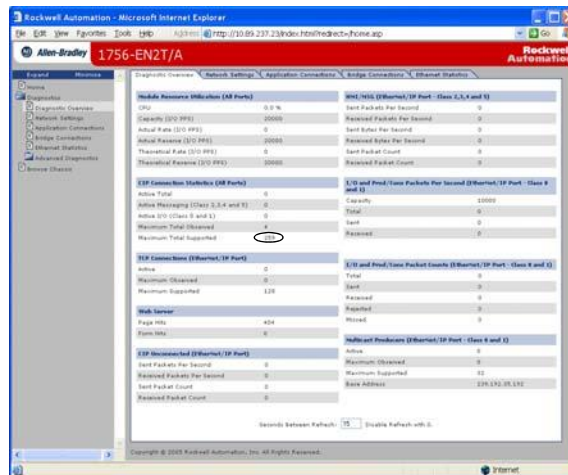
The Application Connections tab shows the three CIP connections as inactive, which they will be unless they are in a redundant chassis pair.

- If you use various 1756 EtherNet/IP communication modules in the same chassis, for example, a 1756-ENBT module with a 1756-EN2T module, do not use the Rack Optimized communication format.

  If you must use the Rack Optimized communication format, we recommend that you place the 1756-EN2T module in a separate chassis from the 1756-ENBT module.

- Do not flash upgrade the firmware for more than one module simultaneously through the USB port.

Install the Firmware Revision

Locate the appropriate firmware and copy all of the files to a temporary subdirectory on your hard disk drive.

- Firmware files are available on the RSLogix 5000 software CD.

  Use the ControlFlash utility that ships with RSLogix 5000 programming software.

- You can also download the firmware files from http://support.rockwellautomation.com.

Configure the Module

Follow these steps to configure the module.

1. In RSLogix 5000 software, choose New Module from the Controller Organizer.

2. Select the module you want to configure.

| IMPORTANT | 1756-EN2T series B is not present as a unique selection in RSLogix 5000 software, version 17. Select the 1756-EN2T series A for the series B module in RSLogix 5000 software, version 17. |

Additional Resources

These documents contain additional information concerning related Rockwell Automation products.

Resource	Description
ControlLogix EtherNet/IP Bridge Module Installation Instructions, publication 1756-IN603	Provides details about how to install the module, how to upgrade firmware, and controller technical specifications.
EtherNet/IP Modules in Logix5000 Control Systems User Manual, publication ENET-UM001	Provides information about how to use your module after installation.
Industrial Automation Wiring and Grounding Guidelines, publication 1770-4.1	Provides general guidelines for installing a Rockwell Automation industrial system.
Open DeviceNet Vendor Association (ODVA) website, http://www.odva.org	Provides information on implementing DeviceNet technology, including the ODVA publication, DeviceNet Cable System Planning and Installation Manual.
Product Certifications website, http://ab.com	Provides declarations of conformity, certificates, and other certification details.

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