



Point I/O EtherNet/IP Adapter

Catalog Number 1734-AENT

Use these notes with your POINT I/O EtherNet/IP adapter module installation instructions, publication 1734-IN590, and user manual, publication 1734-UM011.

Corrected Anomalies in Version 1.31

In this release, we corrected these anomalies:

- Rack Optimized connection requests with a Requested Packet Interval (RPI) value different from that of the existing rack optimized connection would be established using the existing RPI value. In version 1.31, they must match or the request will be rejected.
- Listen Only-Input Data or -Output Data connections would continue to receive data when the owning connection ceased to exist.
- TCP connections could intermittently time-out. Any I/O connection established through the TCP connection would time-out as well.
- Start-up of a large POINT I/O system could require multiple power cycles to properly address all of the POINT I/O modules.

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Corrected Anomalies in Version 1.30

In this release, we corrected these anomalies:

- Unconnected Class 3 requests (Explicit Message requests) to a specific POINT I/O module had to be issued one at a time, waiting for a response before issuing the next Class 3 request.
- POINT I/O modules removed and inserted under power sometimes were reported as “module in use.”
- Class 3 connections to the adapter would fail.
- The Network Status LED failed to consistently indicate loss of IP address.

Compatibility

If you are using the 1734-AENT adapter with a 1756-ENBT module or 1788-ENBT module, the following firmware versions for these bridge modules are required:

- 1756-ENBT firmware version 2.3 or greater
- 1788-ENBT firmware version 1.33 or greater

If you use the BootP Utility to assign IP addresses to the adapter, use version 2.3.2 or greater.

Messaging

Class 3 requests (Explicit Message request) through the 1734-AENT adapter to a specific POINT I/O module are not guaranteed to receive a response from the I/O module. In the case where the I/O module does not reply to the request, the adapter will respond with an error code indicating a time-out.

General

1. When a POINT I/O system is powered up and I/O connections are established, the outputs will transition to the Idle state, applying Idle state data before going to RUN mode. This occurs even when the controller making the connection is already in RUN mode.
2. The 1734 EtherNet/IP adapter cannot reconfigure an I/O module that has previously been configured to operate at a fixed baud rate. Make certain a POINT I/O module being reused from another POINT I/O system is configured to autobaud before using that module with the 1734-AENT adapter.

Correction

The 1734-AENT adapter supports a maximum of **20** direct and rack-optimized connections with a limit of **5** rack-optimized connections. This supersedes the maximum in the March 2003 installation instructions, publication 1734-IN590A, while the specified limit of rack-optimized connections remains valid.

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Rockwell Automation Support

Rockwell Automation provides technical information on the web to assist you in using our 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 with a hardware module 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 module up and running:

United States	1.440.646.3223 Monday – Friday, 8am – 5pm EST
Outside United States	Please contact your local Rockwell Automation representative for any technical support issues.

New Product Satisfaction Return

Rockwell tests all of our 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:

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

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