

CompactLogix EtherNet/IP Communication Module, Firmware Revision 3.001

Catalog Number 1768-ENBT

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About This Publication

This publication describes enhancements, anomalies (corrected and known), and other concepts related to the CompactLogix EtherNet/IP Bridge Module, firmware revision 3.001.

In addition to information specific to the most recent firmware revision, the information from previous minor revisions is retained in these release notes for your reference.

Compatible Versions of Software

Use these or later versions of software with the 1768-ENBT module.

If using	Use this version or later
RSLinX Classic software	2.43
RSLinX Enterprise software	3.00
RSLogix 5000 programming software	15.00
RSNetWorx for EtherNet/IP	5.11

Enhancements

This table lists the enhancements for the 1768-ENBT module.

Firmware Revision	Enhancement	Description
3.001	Added support for Compact GuardLogix controllers.	The 1768-ENBT module now supports Compact GuardLogix controllers. Lgx00090419
2.003	The link between a TCP connection and the associated CIP connection has been decoupled.	TCP connections can be closed without affecting existing CIP connections. Lgx00074715
	The number of TCP and CIP connections has been increased.	The number of TCP and CIP connections has been doubled to 64 TCP connections and 128 CIP connections.

Known Anomalies

No known anomalies have been identified with this firmware revision.

Corrected Anomalies

These anomalies have been corrected with firmware revision 2.003.

Corrected Anomaly	Description
<p>Connecting to a device with a rapid response time may result in a timeout.</p>	<p>When connecting to a device with a more rapid response time (for example, a computer or a 1768-EN2T module), the 1768-ENBT module's attempt to open the TCP connection may time out.</p> <p>The timeout occurs because the faster device has sent a reply to the 1768-ENBT module before the 1768-ENBT module socket is fully open and the module is unprepared to receive the reply. The 1768-ENBT module misses the reply and the TCP connection times out.</p> <p>This firmware revision corrects this anomaly by preparing the 1768-ENBT module to receive the reply earlier.</p> <p>Lgx00079880</p>
<p>Extensive access of the module's web pages affects functionality.</p>	<p>The 1768-ENBT module faults when several users access the module's web pages at the same time.</p> <p>This firmware revision corrects this anomaly by making more memory available for the web pages to function properly when accessed by several users.</p> <p>Lgx00080499</p>
<p>Use of a 000.000.000 subnet mask results in a network error.</p>	<p>When the 1768-ENBT module's subnet mask is set to 000.000.000, the module is not recognized on the network.</p> <p>This firmware revision corrects this anomaly by using a different IP-mask verification algorithm.</p> <p>Lgx00078991</p>
<p>Specifying a host name results in missing profile information.</p>	<p>If the 1768-ENBT module is configured to use a host name rather than an IP address, other module properties do not display properly.</p> <p>When you use a host name, the Module Info, Port Configuration, and Port Diagnostics tabs of the Module Properties dialog box do not display module information.</p> <p>Lgx00078678</p>

Application Notes

We recommend the following when you use the module:

- It is IMPORTANT that the speed and duplex settings on the 1768-ENBT module are configured identically to the settings on the switch port that the module is connected to (that is, both autonegotiate, or both manually set to 100/FULL). A mismatch in speed and duplex settings could result in significant reduction of system performance.
- Connection timeouts could occur between QoS-enabled products and older products that do not support QoS. Rockwell Automation has released new firmware in various products to address this incompatibility. Refer to Knowledgebase document, Tech Note 66325, for a listing of compatible product firmware. The document is available for download at:

<http://www.rockwellautomation.com/knowledgebase/>

Additional Resources

These documents contain additional information related to the 1768-ENBT module.

Resource	Description
1768-ENBT CompactLogix EtherNet/IP Communication Module Installation Instructions, publication 1768-IN002	Provides details about module installation and troubleshooting, as well as module technical specifications.
EtherNet/IP Modules in Logix5000 Control Systems User Manual, publication ENET-UM001	Provides details about how to assemble and mount the controller, how to upgrade firmware, and controller technical specifications.
CompactLogix EtherNet/IP Communication Module Release Notes, publication 1768-RN001	Provides details about previous firmware revisions and anomaly corrections.

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

Notes:

Rockwell Automation Support

Rockwell Automation provides technical information on the Web to assist you in using its products. At <http://www.rockwellautomation.com/support/>, 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://www.rockwellautomation.com/support/>.

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 or Canada	1.440.646.3434
Outside United States or Canada	Use the Worldwide Locator at http://www.rockwellautomation.com/support/americas/phone_en.html , or contact your local Rockwell Automation representative.

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