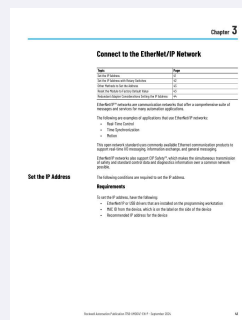


FIELD INSTALLATION QUICK GUIDE

Installation Instructions

1756-EN2T

ControlLogix Ethernet/IP Bridge Module



PRODUCT	1756-EN2T
DOCUMENT TYPE	Installation Instructions
PRODUCT FUNCTION	ControlLogix Ethernet/IP Bridge Module
OFFICIAL SOURCE	Rockwell Automation 1756-UM004F-EN-P

Use this guide with the complete manufacturer documentation and the controlled site procedure. Isolate all energy sources, preserve the exact model identity and verify every connection before energising.

01

PRE-INSTALLATION VERIFICATION

- Confirm the complete 1756-EN2T identification and the documented ControlLogix EtherNet/IP bridge module configuration.
- Record the installed position, connector orientation, cable routing, grounding and adjacent equipment before removal.
- Isolate electrical, pneumatic and stored energy sources using the approved site procedure.
- Use the official drawing and terminal information shown on the following page; do not infer connections from appearance.
- Inspect the replacement unit, mating hardware and environmental conditions before installation.

CHASSIS INSTALLATION AND NETWORK CONNECTIONS

Official manufacturer installation material reproduced from Rockwell Automation 1756-UM004F-EN-P. The drawings retain their original aspect ratio and technical meaning.

Chapter 3

Connect to the EtherNet/IP Network

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EtherNet/IP™ networks are communication networks that offer a comprehensive suite of messages and services for many automation applications.

The following are examples of applications that use EtherNet/IP networks:

- Real-Time Control
- Time Synchronization
- Motion

This open network standard uses commonly available Ethernet communication products to support real-time I/O messaging, information exchange, and general messaging.

EtherNet/IP networks also support CP Safety™, which makes the simultaneous transmission of safety and standard control data and diagnostics information over a common network possible.

The following conditions are required to set the IP address.

Requirements

To set the IP address, have the following:

- EtherNet/IP or USB drivers that are installed on the programming workstation
- MAC ID from the device, which is on the label on the side of the device
- Recommended IP address for the device

Set the IP Address

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Chapter 3 Connect to the EtherNet/IP Network

Set the IP Address with Rotary Switches

This graphic shows the rotary switches on a 1756 EtherNet/IP communication module. The three rotary switches at the bottom of the module, labeled 1, 2, and 3, can be used for setting the IP address. If the rotary switches are not set to a valid number, the module attempts to use the BOOTP/DHCP server to set the IP address.



At power-up, the module reads the rotary switches to determine if they are set to a valid number for the last portion of the IP address. Valid numbers range from 001-254.

If the settings are a valid number, these conditions result:

- IP address = 192.168.1.xxx (where xxx represents the switch settings)
- Subnet mask = 255.255.255.0
- Gateway address = 192.168.1.1

- Some modules now provide a gateway address of 0.0.0.0 when the network address is set with rotary switches.
- The module does not have a host name that is assigned to it, nor does it use any Domain Name System.

We recommend that you set the rotary switches to a valid number before installing the module.

IMPORTANT For more information on how to use the BOOTP/DHCP server to set the IP address, see EtherNet/IP Network Configuration Manual, publication [ENCL-UM008](#)

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03

INSTALLATION AND CONNECTION CHECKS

- Install the unit only in the documented mounting position with the specified companion hardware.
- Match every keyed connector, terminal, conductor, shield and protective-earth point to the official drawing.
- Maintain the documented separation, bend radius, torque, cooling clearance and environmental limits that apply to the product.
- Before energising, perform continuity, polarity, insulation and mechanical-retention checks appropriate to the circuit.
- Do not bypass interlocks, diagnostics, protective devices or approved safety functions during commissioning.

04

INITIAL COMMISSIONING CHECKS

- Restore power or process connections in the approved sequence and observe startup diagnostics.
- Verify communications, channel status, sensor response, drive state or controller operation as applicable.
- Test the affected function at a safe operating point and confirm alarms, trips and feedback paths.
- Record the exact model, configuration, test results and final drawing references in the maintenance record.

05

CONTROLLED DOCUMENTS

Official source	Rockwell Automation 1756-UM004F-EN-P
Product record	1756-EN2T
Document	Amikon Installation Instructions
Support	INFO@AMIKON.CN