



# 1756 10/100 Mbps EtherNet/IP Bridge, Twisted Pair Media

Cat. No. 1756-ENBT/A

## When to Use These Release Notes

These release notes correspond to the following module when used in a ControlLogix® redundancy system:

<b>Module:</b>	<b>Catalog number:</b>	<b>Revision:</b>
1756 10/100 Mbps EtherNet/IP Bridge, Twisted Pair Media	1756-ENBT/A	2.1

## Compatible Revisions

To use this revision of the module, update your system as follows:

<b>Update this:</b>	<b>To this revision or later:</b>
RSLinx® software	2.41.10
RSLogix 5000™ software	11.11
Microsoft® Internet Explorer software	5.01
ControlLogix5555™ controller (cat. no. 1756-L55Mxx)	11.60
ControlNet™ bridge module (cat. no. 1756-CNBR/D or -CNBR/D)	5.36
redundancy module (cat. no. 1757-SRM/A or -SRM/B)	3.25

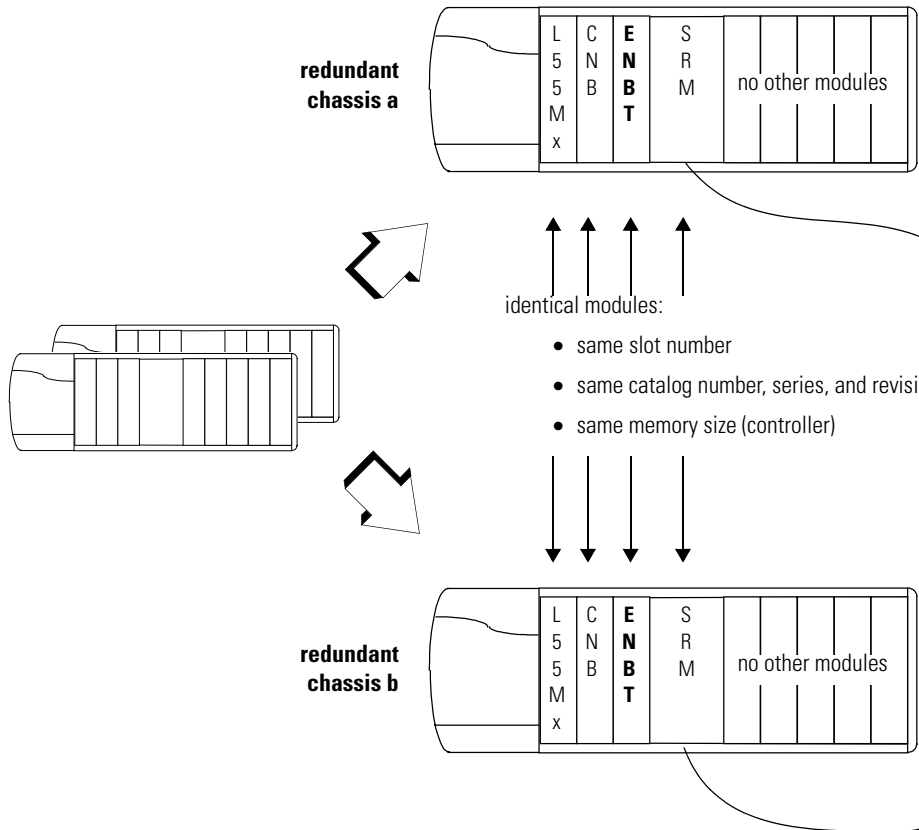
## What Is In These Release Notes

These release notes provide the following information:

<b>For this information:</b>	<b>See page:</b>
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## Before You Use a 1756-ENBT Module in a Redundant System

Before you use a 1756-ENBT module in a redundant chassis, complete the following actions:

Requirement:	Details:
<p><input type="checkbox"/> 1. Place a 1756-ENBT module in the same slot in each redundant chassis.</p>	<p>The modules in each redundant chassis must match each other slot-by-slot.</p>  <p>identical modules:</p> <ul style="list-style-type: none"> <li>• same slot number</li> <li>• same catalog number, series, and revision</li> <li>• same memory size (controller)</li> </ul>
<p><input type="checkbox"/> 2. Install RSLinx software, revision 2.41.10.</p>	<p>Before you install the Alias Topic Switcher software (step 3), first install RSLinx software, revision 2.41.10.</p>
<p><input type="checkbox"/> 3. Install the ControlLogix Redundancy Alias Topic Switcher software.</p>	<p>The ControlLogix Redundancy Alias Topic Switcher software maintains communication between your RSView project and the primary controller after a switchover.</p> <ul style="list-style-type: none"> <li>• To install the Alias Topic Switcher software, use the <i>ControlLogix Redundancy Alias Topic Switcher.Exe</i> file. The file is located on the same CD as the firmware for the ENBT module.</li> <li>• For more information on the Alias Topic Switcher software, see "Use ControlLogix Redundancy Alias Topic Switcher Software" on page 3.</li> </ul>

## Use ControlLogix Redundancy Alias Topic Switcher Software

### IMPORTANT

To use the ControlLogix Redundancy Alias Topic Switcher software, your computer requires an activation file for RSLinx software.

- The activation file lets you perform DDE/OPC communications.
- If you start the Alias Topic Switcher software without access to an activation file, the following error occurs:

0x80040112

(The text for the message depends on your operating system.)

The ControlLogix Redundancy Alias Topic Switcher software maintains communication between your RSView project and the primary controller after a switchover.

- When you use a 1756-ENBT module in a redundant system, the module keeps its IP address regardless of which chassis is the primary chassis. (Only CNB modules swap addresses; ENBT modules *do not* swap IP addresses.)
- In your RSView project, each tag must reference an alias topic in RSLinx software. This lets RSLinx software re-direct communications to the appropriate chassis.
- The Alias Topic Switcher software automatically determines which chassis is the primary chassis. The software then points the alias topic to that chassis.

The Alias Topic Switcher software runs as a service. It starts automatically when you start your computer and shows up in the tool tray of your desktop.

ControlLogix Redundancy Alias  
Topic Switcher



For an example of how to use the Alias Topic Switcher software, see the following document:

*Using Ethernet With Redundancy.Doc.*

The document is located on the same CD as the firmware for the ENBT module.

## Restrictions

This revision of the 1756-ENBT module has the following restrictions:

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**IMPORTANT**

In a redundant system, use an EtherNet/IP network *only* for HMI/workstation communication. For HMI communication, establish the communication via OPC topics.

*Do not* use an EtherNet/IP network for:

- communication with I/O modules
  - communication between devices via produced/consumed tags
  - communication via Message (MSG) instructions
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