



Catalog #: 1756-ENBT

ControlLogix Enet/IP Comms Module

Lifecycle status: DISCONTINUED

Rockwell Automation announces that as of December 31, 2021, the ControlLogix Enet/IP Comms Module will be discontinued and no longer available for sale. Customers are encouraged to remove references to the affected product(s).

Discontinued Date: December 31, 2021

Replacement Category: Functional Replacement

Replacement Product: [1756-EN2T](#)

[<https://www.rockwellautomation.com/en-us/products/details.1756-EN2T.html>]

Technical Specifications

Electrical

With optical interface	No
Supporting protocol for TCP/IP	Yes
Supporting protocol for DeviceNet	No
Supporting protocol for other bus systems	No
Redundancy	No
IO link master	No
Supporting protocol for DeviceNet Safety	No
Supporting protocol for EtherNet/IP	Yes
Power dissipation	3.7 W
Thermal dissipation	12.6 BTU/h
Enclosure type rating	None (open-style)
Ethernet ports	1 Ethernet RJ45 Category 5
CIP unconnected messages	64 + 64 (backplane + Ethernet)
Current draw	700 mA @ 5.1V DC, 3 mA @ 24V DC
Ethernet cable	802.3 compliant shielded or unshielded twisted pair

Wiring category	2 - on Ethernet ports
Communication rate	10/100 Mbps
Connections supported, max	TCP: 64, CIP: 128 (CIP connections can be used for all explicit or all implicit applications. for example, a 1756-ENBT module has a total of 128 CIP connections that can be used for any combination of connections.)
Isolation voltage	30V (continuous), basic insulation type, Ethernet, network to backplane, Type tested @ 707V DC for 60 s
Supporting protocol for LON	No
Supporting protocol for ASI	No
Supporting protocol for PROFIBUS	No
Supporting protocol for CAN	No
Supporting protocol for INTERBUS	No
Supporting protocol for KNX	No
Supporting protocol for Modbus	No
Supporting protocol for Data-Highway	No
Supporting protocol for SUCONET	No
With potential separation	No
Supporting protocol for SERCOS	No
Supporting protocol for INTERBUS-Safety	No
Radio standard Bluetooth	No
Radio standard Wi-Fi 802.11	No
Supporting protocol for AS-Interface Safety at Work	No
Supporting protocol for Foundation Fieldbus	No
Supporting protocol for PROFINET CBA	No
Supporting protocol for PROFINET IO	No
Supporting protocol for PROFI-safe	No
Supporting protocol for SafetyBUS p	No
Radio standard GPRS	No
Radio standard GSM	No
Radio standard UMTS	No
Slot width	1
ATEX temp code	T4

Environmental

Surrounding air temperature, max	60 °C
Storage temperature	-40 °C <Ta <85 °C (-40 °F <Ta <185 °F)
Emissions	CISPR 11: Class A
Vibration	2 G @ 10...500 Hz
ESD immunity	6 kV contact discharges, 8 kV air discharges
EFT/B immunity	±2 kV at 5 kHz on Ethernet ports
Relative humidity	5...95% noncondensing
Shock	Operating: 30 G, Non operating: 50 G
Conducted RF immunity	10V rms with 1 kHz sine-wave 80% AM from 150 kHz...80 MHz
Surge transient immunity	±2 kV line-earth (CM) on Ethernet ports
Operating temperature	0 °C <Ta <60 °C (32 °F <Ta <140 °F)
Radiated RF immunity	10V/m with 1 kHz sine-wave 80% AM from 80...2000 MHz, 10V/m with 200 Hz 50% Pulse 100% AM @ 900 MHz, 10V/m with 200 Hz 50% Pulse 100% AM @ 1890 MHz, 1V/m with 1 kHz sine wave 80% AM from 2000...2700 MHz

Certification

North American temperature code	T4A
IECEx temperature code	T4

Mechanical

Module location	Chassis based, any slot
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Certifications

- China CCC
- ATEX
- Safety
- American Bureau of Shippin
- Australian RCM

This product was certified with the above certifications as of 2024-06-19. Products sold before or after this date might carry different certifications. Please review the product label to check for the certifications your specific product carries.

