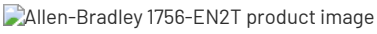
Rockwell Automation



Allen-Bradley
by ROCKWELL AUTOMATION

Catalog #: 1756-EN2T Preferred Availability

CLX ENet/IP 100M

Lifecycle status: ACTIVE

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	5.1 W
Thermal dissipation	17.4 BTU/h
Enclosure type rating	None (open-style)
Ethernet ports	1 Ethernet RJ45 Category 5
CIP unconnected messages	128 + 128 (backplane + Ethernet)
Current draw	1 A @ 5.1V DC, 3 mA @ 24V DC
Ethernet cable	802.3 compliant shielded or unshielded twisted pair
Wiring category	2 - on Ethernet ports, 3 - on USB ports
Communication rate	10/100 Mbps
Connections supported, max	TCP: 128, CIP: 256 (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 to Backplane, USB to Backplane, and USB to Ethernet(Applies

	only to these modules/series: 1756-EN2T/D, 1756-EN2TR/C,1756-EN3TR/B), Type tested at 980V AC 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 PROFIsafe	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	±3 kV at 5 kHz on Ethernet ports
Relative humidity	5...95% noncondensing
Shock	Operating: 30 G, Nonoperating: 30 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, 3V/m with 1 kHz sine-wave 80% AM from 2000...6000 MHz

Certification

North American temperature code	T4A
IECEx temperature code	T4

Mechanical

Module location	Chassis based, any slot

Documentation

For all available documentation, please see the literature results.

Certifications

- China CCC
- Safety
- American Bureau of Shippin
- ATEX
- CE

This product was certified with the above certifications as of 2023-11-14. 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.