

Allen-Bradley · Allen-Bradley ControlLogix

1756-EN2T

ControlLogix EtherNet/IP Communication Module

Exact-model official evidence verified

Technical specifications

Ethernet ports	1 copper RJ45
Data rate	10/100 Mbit/s
Maximum TCP connections	128
Maximum CIP connections	256
Packet-rate capacity	10,000 packets/s with firmware 2.x or earlier; 25,000 packets/s with firmware 3.6 or later
Integrated motion capacity	Up to 8 axes with supported firmware and controller
USB service port	Full-speed 12 Mbit/s, temporary local programming only
Backplane current	1 A at 5.1 VDC; 3 mA at 24 VDC
Power dissipation	5.1 W
Thermal dissipation	17.4 BTU/h
Slot width	1
Chassis location	Any ControlLogix chassis slot
Operating temperature	0 to 60°C
Storage temperature	-40 to 85°C

Documented role

Allen-Bradley 1756-EN2T is an Allen-Bradley ControlLogix EtherNet/IP communication module with one 10/100BASE-T port and capacity for 128 TCP and 256 CIP connections.

It links a ControlLogix chassis to an EtherNet/IP network for controller messaging, distributed I/O, programming and supported integrated-motion applications.

Applications

- Connecting ControlLogix controllers and distributed EtherNet/IP I/O
- Providing plant-network programming, diagnostics and controller messaging
- Supporting a verified Integrated Motion on EtherNet/IP architecture

Selection note

Allen-Bradley 1756-EN2T network reachability and EtherNet/IP I/O health are separate checks. Preserve module path, firmware, connection loading and managed-switch configuration before replacement.