

Allen-Bradley - ControlLogix

1756-ENBT/A

EtherNet/IP Communication Bridge Module

Product identity and principal specifications

Manufacturer	Allen-Bradley
Model	1756-ENBT/A
Product family	ControlLogix
Product type	EtherNet/IP communication bridge module
Hardware series	Series A
Dimensions	34.62 × 144.53 × 143.76 mm
Weight	0.3 kg
EtherNet/IP communication rate	10/100 Mbps
Ethernet interface	1 copper RJ45 Category 5 port
TCP connections	64
CIP connections	128
Current draw	700 mA at 5.1 V DC; 3 mA at 24 V DC
Power dissipation	3.7 W

Additional technical data

CIP unconnected messages	64 backplane + 64 Ethernet
Thermal dissipation	12.6 BTU/h
Isolation voltage	30 V continuous, Ethernet network to backplane; type-tested at 707 V DC for 60 s
Slot width	1
Module location	Any ControlLogix chassis slot
Operating temperature	0 to 60 deg C
Storage temperature	-40 to 85 deg C
Relative humidity	5 to 95%, noncondensing

Documented role

1756-ENBT/A is the Series A hardware form of the Allen-Bradley ControlLogix EtherNet/IP communication bridge module. It installs in one ControlLogix chassis slot and provides one 10/100 Mbps copper RJ45 network interface.

Replacement and installation checks

- Preserve the IP address, subnet mask, gateway, routing, and switch configuration before removal.
- Verify Series A hardware, firmware compatibility, electronic keying, chassis power, and connection loading.
- Rockwell identifies 1756-EN2T as the functional replacement; validate the migration in the actual Logix architecture.

Lifecycle: Discontinued 2021-12-31. Replacement category: Functional Replacement. Replacement product: 1756-EN2T.