Allen-Bradley
by ROCKWELL AUTOMATION

Catalog #: 1769-AENTR   ⚑ Best Selling

1769 Ethernet/IP Adapter

Lifecycle status: ACTIVE

Technical Specifications

Electrical

Number of HW-interfaces industrial Ethernet	2
Suitable for safety functions	No
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
Type of data transmission	Other
TCP/IP communication connections	96
Logix communication connections	128
Enclosure type rating	None (open-style)
Current draw	500 mA @ 5.2V DC
Ports	2 Ethernet RJ45 Category 5
Wire category	1 - on communication ports

Wire size	Ethernet connections: RJ45 connector according to IEC 60603-7, 2 or 4 pair Category 5e minimum cable according to TIA 568-B.1 or Category 5 cable according to ISO/IEC 24702.
Isolation voltage	50V (continuous), basic insulation type, Tested at 710V 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 PROFIsafe	No
Supporting protocol for SafetyBUS p	No
Radio standard GPRS	No
Radio standard GSM	No
Radio standard UMTS	No
Slot width	1
EtherNet/IP communication rate	10/100 Mbps

Mechanical

Width	50 mm

Height	118 mm
Depth	87 mm
Weight, approx	0.28 kg
Module location	DIN rail or panel mount
Mounting screw torque	1.16 Nm (10 lb.in) - use M4 or #8 screws

Environmental

Surrounding air temperature, max	60 °C
Emissions	CISPR 11 (IEC 61000-6-4): 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 communications ports
Relative humidity	5...95% noncondensing
Shock	Operating: 15 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 communication ports
Nonoperating temperature	-40 to 85 °C
Operating temperature	0 to 60 °C
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 at 900 MHz, 10V/m with 200 Hz 50% Pulse 100% AM at 1890 MHz, 10V/m with 1 kHz sine-wave 80% AM from 2000...2700 MHz

Certification

North American temperature code	T3C