User Manual

Dual-Port EtherNet/IP Communication Adapter

Catalog Number 20-COMM-ER

Allen-Bradley · Rockwell Software

Rockwell Automation

Specifications

This appendix presents the specifications for the adapter.

Communications

Network 　Protocol	EtherNet/IP
Data Rates	10 Mbps Full Duplex 10 Mbps Half Duplex 100 Mbps Full Duplex 100 Mbps Half Duplex
Connection Limits	30 TCP connections Two 'class 1' connections and 14 'class 3' connections are supported. The following activities use a CIP connection: • Explicit messaging where 'connected' is chosen (for example, in a checkbox in RSLogix 5000) The following activities **do not** use a CIP connection: • Explicit messaging-based control using PCCC or the Register or Assembly objects, including the PLC-5, SLC 500, and MicroLogix 1100 examples in Chapter 4 • Explicit messaging where 'connected' is **not** chosen, which is typically the default
Requested Packet Interval (RPI)	2 ms minimum
Drive 　Protocol 　Data Rates	 DPI 125 kbps or 500 kbps

Electrical

Consumption 　Drive 　Network	 482 mA at 5V DC supplied by the host (drive or DPI External Comms Kit) N/A

Mechanical

Dimensions	
Height	19 mm (0.75 inches)
Length	86 mm (3.39 inches)
Width	78.5 mm (3.09 inches)
Shipping Weight	150 g (5.2 oz.)

Environmental

Temperature	
Operating	-10…50 °C (14…122 °F)
Storage	-40…85 °C (-40…185 °F)
Relative Humidity	5…95% non-condensing
Atmosphere	**Important:** The adapter **must not** be installed in an area where the ambient atmosphere contains volatile or corrosive gas, vapors or dust. If the adapter is not going to be installed for a period of time, it must be stored in an area where it will not be exposed to a corrosive atmosphere.

Regulatory Compliance

Certification	Drive Specification	SMC Specification
UL	UL508C	UL508
cUL	CSA C22.2 No. 14-2010	CSA C22.2 No. 14-10
CE	EN61800-3	EN60947-4-2
CTick	EN61800-3	EN60947-4-2

NOTE: This is a product of category C2 according to IEC 61800-3. In a domestic environment this product may cause radio interference in which case supplementary mitigation measures may be required.