

## DeviceMaster® EIP-2302

Part Numbers: 99561-6



### KEY FEATURES AND BENEFITS

- DualConnectPlus™ Technology – simultaneously connect both serial and Ethernet devices to PLCs and/or applications. String, RFID, and barcode data filtering eliminates redundant data while extracting the RFID and barcode parameters.
- Provide PLC connectivity – to standard serial devices with protocol support for EtherNet/IP, PROFINET, Modbus/TCP, Modbus RTU/ASCII, and TCP/IP
- Supported PLC models – EtherNet/IP: Allen Bradley ControlLogix Family, SLC 5/05, PLC-5, MicroLogix PROFINET: Siemens ET 400, 300 S7 Modbus: Modicon Quantum, Premium, Momentum, Compact, Micro, GE Fanuc Rx7i, Rx3i, 90-70, 90-30, Versamax
- Wide (-37° to 74°C) extended temperature range for harsh environments
- Variable power input – eliminates need for power converters between multiple units
- PortVision® DX monitoring and management software
- Security Features – SSL & SSH management, SSL serial data stream encryption
- RoHS2 compliant under CE

### PRODUCT DESCRIPTION

At Control, we believe gateways should be intelligent, robust, and easy to use.

The DeviceMaster EIP-2302 provides innovative EtherNet/IP connectivity to a wide variety of devices. It can enable you to quickly connect PLCs, SCADA, OPC Servers and applications to devices such as barcode scanners, RFID readers, weigh scales, vision systems, printers, encoders, HVAC and sensors.

With its simplified web-based configuration pages, innovative functionality and informative diagnostic information, the DeviceMaster EIP-2302 provides the functionality required to make your job easier.

# DEVICEMASTER SPECIFICATIONS

## HARDWARE

### Bus Interface Specification

10/100BASE-T

**Memory**  
SDRAM 8 MB  
Flash 4 MB

### Enclosure

UL94-V0 Plastic  
**Installation Method**  
DIN rail (35mm)

**LED Indicators**  
Status, Ethernet Link/Activity

**Dimensions**  
4.6" x 3.9" x 1.8"  
116.8 x 99.1 x 45.7 mm

**Product Weight**  
6.5 oz  
0.184 kg

## ELECTRICAL SPECIFICATIONS

**Device**  
DC Input Voltage 6-30V  
Current Consumption (+24VDC) 85 mA

**Power Consumption (max.)**  
2.0 W

**Power Input Redundancy**  
Dual Redundant Power Input

**ESD Surge Protection**  
Provided minimum of 25KV protection for all serial lines. All Ethernet components are rated to 1.5KV magnetic surge protection.

## ENVIRONMENTAL SPECIFICATIONS

**Air Temperature**  
System On -37° C to 74° C  
System Off -40° C to 85° C

**Operating Humidity**  
(Non-Condensing) 5% to 95%

**Altitude**  
0 to 10,000 Feet  
3,048 m

**Heat Output**  
6.8 BTU/Hr

**Mean time between failures**  
49.5 Years

## SERIAL COMMUNICATIONS

**Connector Type**  
DB9 Male

**Number of Ports**  
2

**Software Selectable Interfaces**  
RS-232, RS-422, RS-485 2-Wire, RS-485 4-Wire  
(Master/Slave)

**Baud Rates** 300bps to 230.4 Kbps  
Receive Buffer 1024 Bytes  
Transmit Buffer 256 Bytes

**Data Bits**  
7 or 8

**Parity**  
Odd, Even, None

**Stop Bits**  
1 or 2

**Flow Control**  
Hardware, Software or None

## ETHERNET SPECIFICATIONS

**Network Protocols**  
ARP, BOOTP, DHCP, HTTP, ICMP, Ping, RARP,  
RFC 1006 (ISO over TCP), RFC 2217, SNMP  
(MIB-II), TCP/IP, Telnet, TFTP, and UDP socket  
services

**Connector Type**  
RJ45F Auto MDI/MDI-X  
**Number of Ports**  
2

## EXPORT INFORMATION

**Packaged Shipping Weight**  
1.1 lbs  
0.50kg

**Package Dimensions**  
9.25" x 2.5" x 7.25"  
23.5 x 63.5 x 184.2 mm

**UPC Code**  
7-56727-99561-6

**Country of Origin**  
USA

**ECCN**  
5A992

**Schedule B Number**  
8471.80.1000

## REGULATORY STANDARDS

**Emissions**  
FCC PART 15 SUBPART B  
CLASS A LIMIT  
AS/NZS CISPR 22  
European Standard EN55022  
Canadian EMC Requirements  
ICES-003

**Immunity**  
European Standard EN55024  
IEC 1000-4-2/EN61000-4-2: ESD  
IEC 1000-4-3/EN61000-4-3: RF  
IEC 1000-4-4/EN61000-4-4: Fast Transient  
IEC 1000-4-5/EN61000-4-5: Surge  
IEC 1000-4-6/EN61000-4-6: Conducted Disturbance  
IEC 1000-4-8/EN61000-4-8: Magnetic Field  
IEC 1000-4-11/EN61000-4-11: Dips and Voltage Variations

**Safety**  
IEC 60950/EN60950 (RECOGNIZED)  
CSA C22.2 No. 50/UL60950 Third Edition

**Other**  
RoHS2 compliance under CE  
NEMA TS2 Compliant

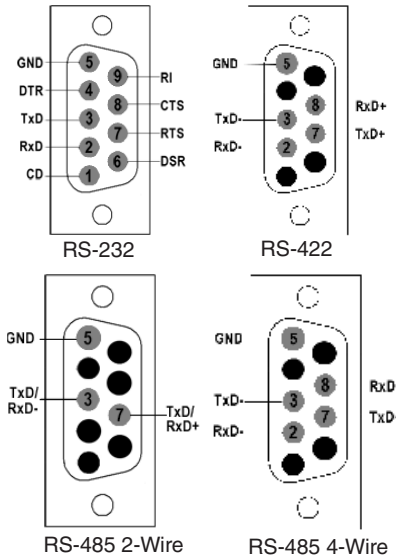
## FEATURES

SNMP Support Monitoring Only

## REGULATORY APPROVAL MARKS



## PIN ASSIGNMENTS



**Warranty Information**  
Comtrol offers a 30-day  
satisfaction guarantee and  
5-year limited warranty.

**Sales Support**  
+1.763.957.6000  
sales@comtrol.com

**Technical Support**  
+1.763.957.6000  
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