

DeviceMaster® EIP-2201

Part Number: 99620-0



KEY FEATURES AND BENEFITS

- Wide DC input voltage range (5-30 volts)
- DIN-rail mounting and screw terminal connections
- Wide operating temperature ranges (-40° C to 75° C)
- Surge protection for serial ports
- Variable power input
- Support for EtherNet/IP
- Dual Ethernet ports for daisy chaining network connections between multiple units
- Two serial ports with secure screw terminal connectors
- DualConnectPlus™ technology
- SSL & SSH management, SSL serial data stream encryption
- Software Controllable integrated 120Ω Termination Resistor for both the Transmit and Receive side in RS-422/485 Mode
- NEMA TS2 Certified
- UL Safety Certified



PRODUCT DESCRIPTION

Only the DeviceMaster UP Industrial Ethernet gateway offers a solution that configures in minutes via the web, allowing you to support major Industrial Ethernet protocols - EtherNet/IP™, PROFINET IO, or Modbus/TCP – on a single platform. Whichever protocol you need, the DeviceMaster UP provides an RS-232, RS-422 or RS-485 software-selectable serial connection to an Industrial Ethernet network.

Simultaneously connect both serial and Ethernet devices to PLCs and/or applications with DualConnectPlus™ technology. String, RFID, and barcode data filtering eliminates redundant data while extracting the RFID and barcode parameters.

HARDWARE

Bus Interface Specification
10/100 BASE-T Ethernet

Memory
32MB SDRAM, 8MB Flash

Enclosure
UL94-V0 Plastic

Installation Method
DIN rail (35mm)

LED Indicators
Status, Ethernet Port Link/Activity

Dimensions
4.7" x 3.9" x 0.9"
119.3mm x 99.1mm x 22.86 mm

Product Weight
0.25lbs
113.4g

ELECTRICAL SPECIFICATIONS

Input Voltage Requirements
5-30VDC

Power Consumption (Max.)
1.5 Watts

Power Input Redundancy
Dual Redundant Power Input

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

ENVIRONMENTAL SPECIFICATIONS

Air Temperature
System On -40° to 75°C
System Off -40° to 85°C

Operating Humidity
0% to 95%

Altitude
0 to 10,000 Ft
0 to 3,048 m

Mean time between failures
61.4 Years

SERIAL COMMUNICATIONS

Connector Type
9-Pin Screw Terminal Block

Number of Ports
1

Software Interfaces
RS-232
RS-422
RS-485, 4-wire, Master
RS-485, 4-wire, Slave
RS-485, 2-wire

Termination Resistor for RS422/485
Software controllable 120Ω termination resistors available for each transmit and receive differential pair on every port. The 120Ω termination resistors can be enabled between TX+ and TX- OR RX+ and RX- or both on every port

Baud Rates
300 to 230 Kbps
Receive Buffer 4.5KB
Transmit Buffer 4.5KB

Device Driver Data Control
Data Bits * 5, 6, 7 or 8
Parity ** Odd, Even, Mark, Space or None
Stop Bits *** 1, 1.5, or 2
Flow Control Hardware, Software or none

* Data bits 5, 6: Supported only in RFC2217 and socket mode
* Mark, Space parity: Supported only in RFC2217 and socket mode
* Stop bit 1.5: Supported only when used with 5 data bits

ETHERNET SPECIFICATIONS

Number of Ports
1

Speed
10/100Mbps

Connector Type
RJ45F Auto MDI/MDI-X

LED
Ethernet Link (Green)
Ethernet Activity (Amber)

Ethernet specific features
Ethernet packet switching, Auto Negotiation, Link/Activity Status LED

Network Protocols
ARP, BOOTP, DHCP/RARP, HTTP, HTTPS, SSH, SSL/TLS, ICMP, RFC 1006 (ISO over TCP), SNMP (MIB-II), TCP/IP & UDP socket services, Telnet, and TFTP, and supports IP multicast data transmission

ETHERNET/IP FEATURES

Supported PLCs
Including but not limited to:
Allen Bradley: ControlLogix, CompactLogix, FlexLogix, SoftLogix, SLC 5/05, PLC-5, and MicroLogix Models

Web Page Configurations

- Three methods of receive communication to the PLC – Write-to-Tag/File, Write-to-Tag/File-Synced, and Polling
- Connectivity – Ethernet/IP to serial and Ethernet TCP/IP raw/ASCII devices
- Connectivity to high-speed devices. Supports message rates as high as 50 updates per second when receive mode is configured to Write-to-Tag/File.
- Vendor Specific CIP objects – configuration, data transfer, and statistics
- Large received packet support – up to 1518 bytes serial and 2048 bytes Ethernet TCP/IP
- Received packet size control – truncate or drop oversized packets
- Message Throttling – ensures PLC can process each received data packet
- Intelligent packet identification – start and end of transmission character detection/appending

Diagnostics

Yes

Electronic Data Sheets (EDS)
Yes

Sample PLC Programs
Yes

FEATURES

SNMP Support
Monitoring Only

Other
Lowest Latency
NS-Link COM/TTY port redirector
TCP/IP & UDP Socket Services
Telnet/RFC2217 COM Port control
PortVision DX remote management

Manufacturer's Warranty
5 Years

EXPORT INFORMATION

Packaged Shipping Weight
0.60lbs
272g

Package Shipping Dimensions
5.68" x 5.68" x 3.37"
144.46 x 144.46 x 85.73mm

UPC Code
7-56727-99620-0

Country of Origin
USA

ECCN
5A992

Schedule B Number
8471.80.1000

DEVICE DRIVERS

Linux
Microsoft® Windows® XP through Windows 10

REGULATORY STANDARDS

Emissions
FCC Part 15 Subpart B
Class A limit
Canadian EMC Requirements ICES-003
European Standard EN61000-6-4
European Standard EN55022
AS/NZS CISPR 22

Immunity
European Standard EN61000-6-2
European Standard EN55024:
IEC1000-4-2/EN61000-4-2: ESD
IEC1000-4-3/EN61000-4-3: RF
IEC1000-4-4/EN61000-4-4: Fast Transient/ Burst
IEC1000-4-5/EN61000-4-5: Surge
IEC1000-4-6/EN61000-4-6: Conducted Disturbance
IEC1000-4-8/EN61000-4-8: Magnetic Field
IEC1000-4-11/EN61000-4-11: Voltage Dips and Voltage Variations

Safety
UL 61010-1, UL 61010-2-201
CSA C22.2 No. 61010-1-12
CSA C22.2 No. 61010-2-201:14

Other
NEMA TS2 Compliant
RoHS2 compliant under CE

REGULATORY APPROVALS



Warranty Information
Control 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
www.comtrol.com/
support

Email, FTP, and Web Support
info@comtrol.com
ftp.comtrol.com
www.comtrol.com