COMTROL
Pepperl+Fuchs

DeviceMaster® DM-2201

Part Number: 99603-3

NEMA TS2

EXTENDED TEMPERATURE RATINGS

PORTVISION DX
MANAGEMENT SOFTWARE

MADE IN USA

KEY FEATURES AND BENEFITS

- Wide DC input voltage range (5-30 volts)
- Redundant power input for fail-safe power
- Wide operating temperature range (-40° to 75°C)
- RS-232/422/485 software selectable interfaces
- PortVision DX
- Screw terminal power connector
- 25KV surge protection for serial ports
- Features DIN rail mounting
- SSL & SSH management, SSL serial data stream encryption
- IPv6 support
- Real-time email event notification
- 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

The DeviceMaster RTS 1-Port Terminal Block 1E is the newest models in Comtrol's popular line of DeviceMaster serial device servers. These products can be used to network-enable two serial devices on any Ethernet network and are ideal for applications in:

- Traffic and Transportation
- Power Utility
- Industrial Automation
- Material Handling
- Any project that requires serial-to-Ethernet communication with DIN rail-based equipment installations

The DeviceMaster RTS Terminal Block 1-Port includes DIN-rail mounting and screw terminal power connections for convenient installation. It offers both wide DC input voltage range (6-30 volts) and wide operating temperature range (-37° to 74°C), so it operates reliably in a variety of challenging physical environments. It provides redundant DC power input for fail-safe power.

The DeviceMaster RTS Terminal Block 1-Port is National Electrical Manufacturers Association (NEMA) TS2 compliant.

The DeviceMaster RTS supports RS-232, RS-422 and RS-485 serial communications at standard baud rates from 300bps to 230Kbps.

Your automation, our passion.

DEVICEMASTER SPECIFICATIONS

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

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
7-56727-99603-3
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

CE   FC   c(UL)us LISTED   NEMA TS2

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