



## DeviceMaster® RTS 8-Port RJ45

Part Number: 99457-2



### KEY FEATURES AND BENEFITS

- No serial cable distance limitations
- RS-232/422/485 software selectable interfaces
- Application compatibility via Windows and Linux certified drivers
- Web-based configuration
- PortVision DX
- Enables DIN rail or panel mounting
- Wide operating temperature (-40° to 75°C)
- SSL & SSH management, SSL serial data stream encryption
- Wide input power range
- IPv6 support
- Real-time email event notification

DEVICE SERVER

### PRODUCT DESCRIPTION

This DeviceMaster RTS 8-Port RJ45 Ethernet device server from Control operates well in extreme temperatures and is industrial grade for high level performance



connect. communicate. control.

## HARDWARE

### Bus Interface Specification

10/100 BASE-T ETHERNET

### Memory

SD RAM 32MB  
Flash 8MB

### Enclosure

Black Finished Steel

### Installation Method

Panel mountable

### LED Indicators

100MB Ethernet, Collision, Ethernet Link/Activity, RX/TX per port, and Status

### Product Weight

57.6 oz or 3.6lbs  
1.63 kg

### Product Dimensions

10.8" x 1.8" x 6.3"  
275 x 45.7 x 160 mm

## ELECTRICAL SPECIFICATIONS

### Input Voltage Requirements

9-30 VDC

### Power Consumption

3.6 Watts

### External Power Supply (Included)

Input  
90-264VAC @ 47 - 63Hz  
Output  
24VDC @ 1A

### ESD Surge Protection

Provides minimum of 15KV for a duration of 1ns @ 200A. All Ethernet components are rated to 1.5KV magnetic surge protection, in addition to the surge protection levels specified.

## ENVIRONMENTAL SPECIFICATIONS

### Operating Temperature

-40° to 75°C

### Storage Temperature

-40° to 85°C

### Operating Humidity

5% to 95%

### Altitude

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

### Mean time between failures

30.9 Years

## SERIAL COMMUNICATIONS

### Connector Type

RJ45

### Number of Ports

8

### Software-Selectable

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

### Baud Rates

300 bps to 230.4 kbps

Receive Buffer 4.5 KB

Transmit Buffer 4.5 KB

### Device Driver Data Control

Data Bits\* 5, 6, 7 or 8  
Parity\*\* Odd, Even, None  
Stop Bits\*\*\* 1, 1.5 or 2  
Flow Control Hardware, Software, or None

\* Data bits 5, 6 are supported only in RFC2217 and socket mode

\*\* Mark, Space parity are supported only in RFC2217 and socket mode

\*\*\* Stop bit 1.5 is supported only when used with 5 data bits

## ETHERNET SPECIFICATIONS

### Number of Ports

2

### Speed

10/100Mbps

### Connector Type

RJ45

### Ethernet Specific Features

Ethernet packet switching, Auto Negotiation, Auto MDI/MDI-X and Daisy Chaining

### 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, 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

## DEVICE DRIVERS

Linux

Microsoft® Windows® XP through Windows 10

## EXPORT INFORMATION

### Packaged Shipping Weight

6.9 lbs  
3.1 kg

### Package Shipping Dimensions

14.9" x 4" x 10.9"  
378.5 x 101.6 x 276.9 mm

### UPC Code

7-56727-99457-2

### ECCN

5A992

### Schedule B Number

8471.80.1000

## REGULATORY STANDARDS

### Emissions

Canadian EMC requirements  
ICES-003  
AS/NZS CISPR-22  
European Standard EN55022 FCC Part 15 Subpart B Class A limit

### 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 (LISTED)  
CSA C22.2 No. 60950/UL60950

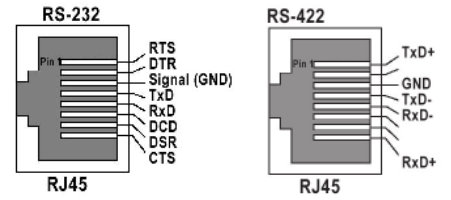
### Other

NEMA TS2 Certification  
RoHS2 compliant under CE

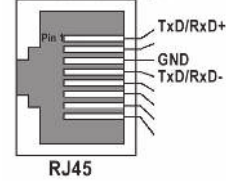
## REGULATORY APPROVALS



## PIN ASSIGNMENTS



### RS-485 Half Duplex



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

**Sales Support**  
+1.763.957.6000  
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