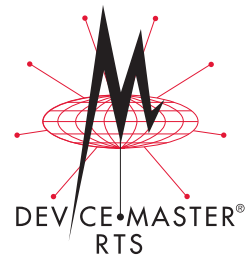


# DeviceMaster® RTS

## 2-Port 1E and 2E



**2-Port 1E**  
Part Number  
99480-0



**2-Port 2E**  
Part Number  
99481-7

Control's DeviceMaster RTS line offers enhanced performance, features and reliability with the introduction of the DeviceMaster RTS 2-Port 1E and 2E models.

DeviceMaster 1E and 2E feature convenient DIN Rail enclosure designs, wide input voltage ranges, and screw terminal connectors. These products present a seamless solution for integrating serial and network communication for applications in traffic and transportation, industrial automation, material handling, or any project that requires serial-to-Ethernet communication with DIN Rail-based equipment installations.

These serial device servers can be used to network enable two serial devices on any Ethernet network. DeviceMaster RTS products supply screw terminal connections for each serial port and support RS-232, RS-422, and RS-485 serial communications at standard baud rates from 300 bps to 230 Kbps. The DeviceMaster RTS 2-Port 1E offers a single RJ45 jack with a 10/100 Ethernet connection to the network, while DeviceMaster RTS 2-Port 2E includes a network switch to provide two 10/100 Ethernet connections with an RJ45 jack.

Both products will accept power in the range of 5-30 volts DC through screw terminal connections. A 90-264VAC power supply is also available.

### Highlights

- Proven DeviceMaster Performance
- Serial Communications Speeds up to 230Kbps Per Port
- RS-232, RS-422, RS-485 Software Selectable Interfaces
- Microsoft Certified Drivers for Windows Vista, Windows XP, and Windows Server 2003
- Convenient DIN Rail Design
- Screw Terminal Connections
- Wide Input Power Range
- RoHS Compliant

# Specifications

## HARDWARE

- Bus Interface Specification 10/100 Base-T
- Memory
  - SDRAM 8 MB
  - Flash 4 MB
- Enclosure UL94-V0 Plastic
- Installation Method Din Rail (35mm)
- LED Indicators
  - Ethernet activity, ethernet link and status
- Enclosure Dimensions
 

1E	4.37" x 3.9" x .89"
2E	4.37" x 3.9" x 1.78"
- Product Weight
 

1E	4.6 oz
2E	7.5 oz

## ELECTRICAL SPECIFICATIONS

- DC Input Voltage 5-30 V
- Current Consumption
  - +24 VDC
 

1E	60 mA
2E	80 mA
- Power Consumption (max)
 

1E	1.5 W
2E	2.0 W
- ESD Surge Protection (min)
 

1E	25KV
2E	25KV

## ENVIRONMENTAL SPECIFICATIONS

- Operating Temperature -37 to 74°C
- Storage Temperature -40 to 85°C
- Operating Humidity
  - Non-condensing 5% to 95%
- Altitude 0 to 10000 Feet
- Heat Output
 

1E	5.0 BTU/Hr
2E	6.6 BTU/H
- MTBF
 

1E	58.57 Years
2E	45.66 Years

## SERIAL COMMUNICATIONS

- Connector Type (2) Screw Terminal Blocks
- Interface Standard RS-232, RS-422, RS-485 Half-Duplex, RS-485 Full-Duplex
- Baud Rates 300 to 230.4Kbps
- Transmit Buffer 256 Bytes
- Receive Buffer 1024 Bytes
- Data Bits 7 or 8
- Parity odd, even or none
- Stop Bits 1 or 2
- Flow Control
  - Hardware, Software, 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
 

1E	(1) RJ45F
	Auto MDI/MDI-X
2E	(2) RJ45F
	Auto MDI/MDI-X

## EXPORT INFORMATION

- Packaged Shipping Weight
 

1E	0.91 lbs
2E	1.04 lbs
- Package Dimensions 9.25" x 2.5" x 7.25"
- UPC Code
 

1E	7-56727-99480-0
2E	7-56727-99481-7
- Country of Origin USA
- ECCN 5A991
- Schedule B Number 8471.80.1000

## DEVICE DRIVERS

- Linux
- Microsoft® Windows Server® 2003
- Microsoft® Windows Vista™
- Microsoft® Windows® 2000
- Microsoft® Windows® XP

## REGULATORY APPROVAL MARKS

- RoHS 2002/95/EC
- CE
- FCC
- UL/cUL
- C-Tick

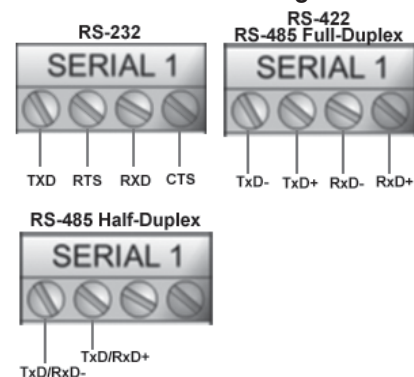
## REGULATORY STANDARDS

- Emission:
  - CANADIAN EMC REQUIREMENTS ICES-003
  - European Standard EN55022
  - FCC PART 15 SUBPART B CLASS A LIMIT
  - AS/NZS CISPR 22
- 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
  - CSA C22.2 No. 60950/UL60950 Third Edition
  - European Standard: 2002/95/EC Directive (RoHS)
  - NEMA TS2 Compliant

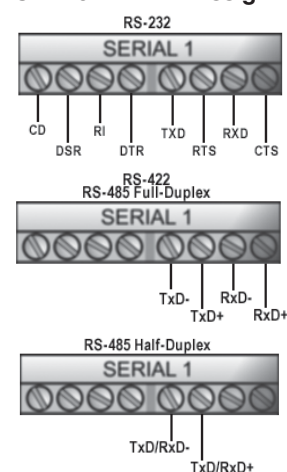
## FEATURES

- SNMP Support
- RoHS Compliant
- 2-Year Warranty

## RTS 2-Port 1E Pin Assignments



## RTS 2-Port 2E Pin Assignments



## Ordering Information

- 99480-0 DeviceMaster RTS 2-Port 1E
- 99481-7 DeviceMaster RTS 2-Port 2E

## Product Support & Service Information

### Warranty Information

Comtrol offers a 30-day satisfaction guarantee and 2-year limited warranty on all DeviceMaster products.

### Sales Support

+1.763.494.4100  
sales@comtrol.com

### Technical Support

+1.763.494.4100  
www.comtrol.com/support

### Email, FTP, and Web Support

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