

DEVICE MASTER®
RTS

HIGHLIGHTS

- DIN-rail mounting and screw terminal connections
- Wide input DC voltage ranges (5-30 volts)
- Wide operating temperature ranges (-37° to 74° C)
- NEMA TS2 compliant
- 2 ports and 8 serial connections (on the DeviceMaster 2E)



Part Number
99480-0

Part Number
99481-7

DeviceMaster® RTS 2-Port 1E and 2E

The DeviceMaster RTS 2-Port 1E and 2E are 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;
- Industrial automation;
- Material handling; or
- Any project that requires serial-to-Ethernet communication with DIN rail-based equipment installations.

The DeviceMaster RTS 2-Port includes DIN-rail mounting and screw terminal connections for convenient installation. It offers both wide DC voltage ranges (5-30 volts) and wide operating

temperature ranges (-37° to 74° C), so it operates reliably in a variety of challenging physical environments.

The RTS is National Electrical Manufacturers Association (NEMA) TS2 compliant. And with 2 Ethernet ports on the 2E, you can daisy-chain or cascade devices together for a cleaner layout, a faster installation and a more cost-effective solution (no need for multiple Ethernet switches or star topology layouts).

The DeviceMaster RTS supports 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 the 2-Port 2E includes a network switch to provide two 10-100 Ethernet connections with an RJ45 jack. Both products accept 5-30 volts DC through screw terminal connections, and a 90-264VAC power supply is also available.



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 _s
2E	25KV _s

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
Mean time between failures	
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, supports IP multicast data transmission
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® 7
 Microsoft® Windows® 2008 Server
 Microsoft® Windows® Vista
 Microsoft® Windows Server® 2003
 Microsoft® Windows® XP
 Microsoft® Windows NT® 4.0 (Legacy)
 Microsoft® Windows® 2000 (Legacy)

REGULATORY APPROVAL MARKS



REGULATORY STANDARDS

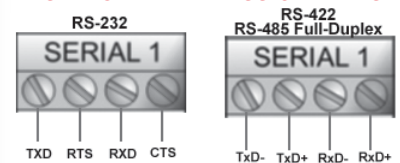
Emission	
CANADIAN EMC REQUIREMENTS	ICES-003
European Standard	EN55022
FCC PART 15 SUBPART B	CLASS A LIMIT
AS/NZS CISPR 22	
Immunity	
European Standard	EN55024
IEC 1000-4-2/EN61000-4-2:	ESD
IEC 1000-4-3/EN61000-4-3:	RF
IEC 1000-4-4/EN61000-4-4:	Fast Transient
IEC 1000-4-5/EN61000-4-5:	Surge
IEC 1000-4-6/EN61000-4-6:	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

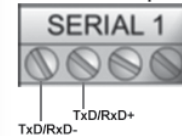
- SNMP Support
- RoHS Compliant



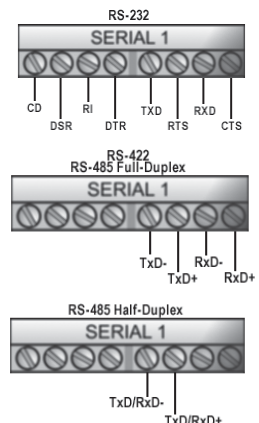
RTS 2-PORT 1E PIN ASSIGNMENTS



RS-485 Half-Duplex



RTS 2-PORT 2E PIN ASSIGNMENTS



ORDERING INFORMATION

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

RECOMMENDED ACCESSORIES

1200038 Universal Power Supply
 (24VDC, 24W, 3-WIRE)

PRODUCT SUPPORT & SERVICE INFORMATION

Warranty Information

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

Sales Support

+1.763.957.6000
 sales@control.com

Technical Support

+1.763.957.6000
 www.control.com/support

Email, FTP, and Web Support

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