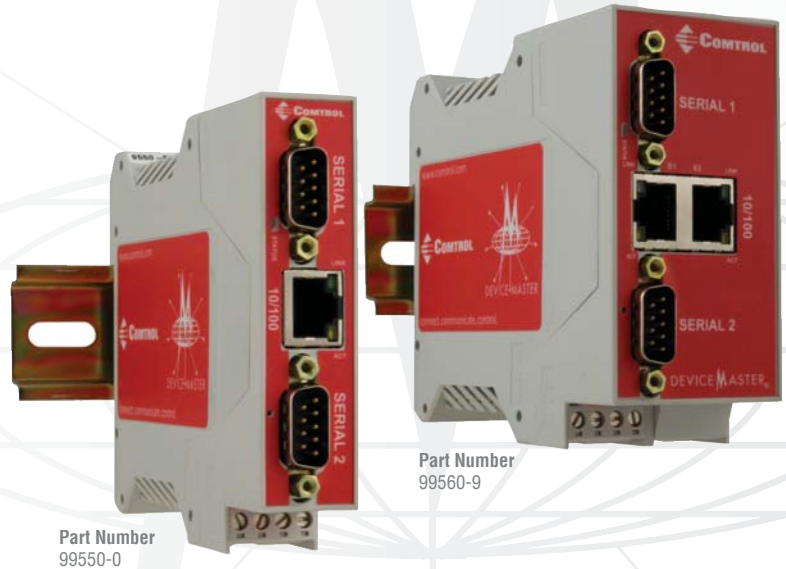


## HIGHLIGHTS

- DIN rail mounting
- Wide DC input voltage range (6-30 volts)
- Redundant power input for fail-safe power
- Wide operating temperature range (-37° to 74° C)
- NEMA TS2 compliant
- 2 serial ports (RS-232/422/485)
- DB9 male serial connectors
- Screw terminal power connector
- Dual Ethernet ports for daisy-chaining devices (2E model)
- 25KV surge protection for serial ports
- Microsoft certified Windows XP/ Server 2003/Vista Drivers



## DeviceMaster® RTS DB9M 2-Port 1E and 2E

The DeviceMaster RTS 2-Port DB9M 1E and 2E are the newest models in Control'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 DB9M 2-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 DB9 2-Port 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 300bps to 230Kbps. The DeviceMaster RTS 2-Port 1E offers two DB9M serial connections 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. Both products accept 6-30 volts DC power through screw terminal connections. A 90-264VAC power supply is available as an accessory.

## SPECIFICATIONS

### HARDWARE

• Bus Interface Specification	10/100Base-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	4.6" x 3.9" x 0.9"
2E	4.6" x 3.9" x 1.8"
• Product Weight	
1E	4.6 oz
2E	6.5 oz

### ELECTRICAL SPECIFICATIONS

• DC Input Voltage	6-30 V
• Current Consumption at +24 VDC	
1E	65mA
2E	85 mA
• Power Consumption (max)	
1E	1.56W
2E	2.0W
• Power Input Redundancy	Dual Redundant Power Input
• ESD Surge Protection	Provides minimum of 25KV protection for all serial lines. All Ethernet components are rated to 1.5KV magnetic surge protection.

### ENVIRONMENTAL SPECIFICATIONS

• Air Temperature	
System On	-37° to 74°C
System Off	-40° to 85°C
• Operating Humidity	
Non-condensing	5% to 95%
• Altitude	0 to 10000 Feet
• Heat Output	
1E	5.3 BTU/Hr
2E	6.8 BTU/Hr
• MTBF	
1E	58.8 years
2E	49.5 years

### SERIAL COMMUNICATIONS

• Connector Type	DB9 Male
• Number of Ports	2
• Interface Standard	RS-232, RS-422, RS-485 2-wire, RS-485 4-wire
• Baud Rates	300 to 230.4Kbps
• Transmit Buffer	256bytes
• Receive Buffer	1024bytes
• 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	1.0 lbs
2E	1.1 lbs
• Package Dimensions	9.25" x 2.5" x 7.25"
• UPC Code	
1E	7-56727-99550-0
2E	7-56727-99560-9
• 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
- Microsoft® Windows 7
- Microsoft® Windows 2008 Server

### REGULATORY APPROVAL MARKS

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

### REGULATORY STANDARDS

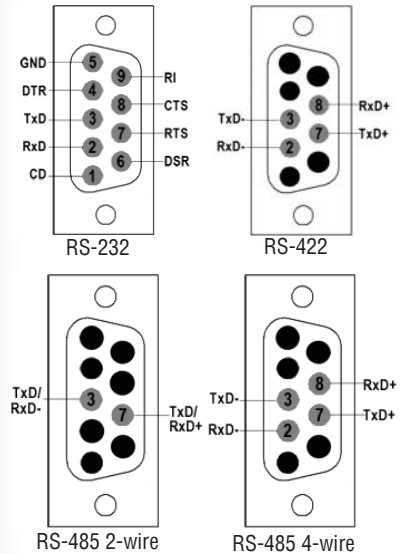
- Emission:
  - CANADIAN EMC REQUIREMENTS ICES-003
  - European Standard EN55022
  - FCC PART 15 SUBPART B CLASS A LIMIT
  - AS/NZS CISPR 22
- Immunity:
  - European Standard EN55024
  - IEC 1000-4-2/EN61000-4-2: ESD
  - IEC 1000-4-3/EN61000-4-3: RF
  - IEC 1000-4-4/EN61000-4-4: Fast Transient
  - IEC 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 (Recognized)
  - CSA C22.2 No. 60950/UL60950 Third Edition
- European Standard: 2002/95/EC Directive (RoHS)
- NEMA TS2 Compliant

### FEATURES

- SNMP Support Monitoring Only



### RTS 2-PORT PIN ASSIGNMENTS



### ORDERING INFORMATION

99550-0 DeviceMaster RTS DB9M 2-Port 1E  
99560-9 DeviceMaster RTS DB9M 2-Port 2E

### RECOMMENDED ACCESSORIES

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

32100-2 Power Supply PS1020 Universal (24V, 24W, Din Rail)  
32101-9 Power Supply PS1060 Universal (24V, 60W, Din Rail)  
32102-6 Power Supply PS1100 Universal (24V, 100W, Din Rail)

### PRODUCT SUPPORT & SERVICE INFORMATION

#### Warranty Information

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

#### Sales Support

+1.763.494.4100  
sales@comtrol.com

#### Technical Support

+1.763.494.4100  
www.comtrol.com/support

#### Email, FTP, and Web Support

info@comtrol.com  
ftp.comtrol.com  
www.comtrol.com