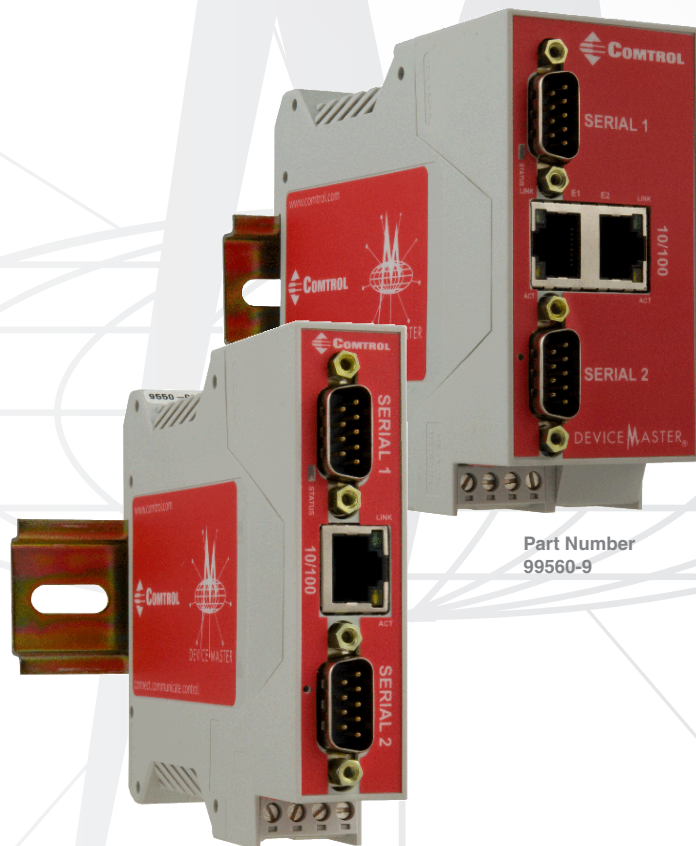


HIGHLIGHTS

- 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



Part Number
99550-0

Part Number
99560-9

NEMA
TS2

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
Mean time between failures	
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
Recieve 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 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	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	5A992
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)

FEATURES

SNMP Support Monitoring Only

REGULATORY STANDARDS

Emissions
 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

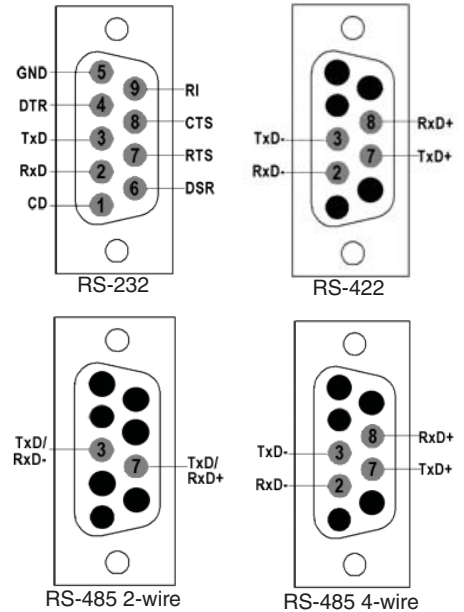
Safety

IEC 60950/EN60950 (Recognized)
 CSA C22.2 No. 60950/UL60950 Third Edition
 European Standard: 2002/95/EC Directive (RoHS)
 NEMA TS2 Compliant

Regulatory Approvals



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

+1.763.957.6000
 sales@comtrol.com

Technical Support

+1.763.957.6000
 www.comtrol.com/support

Email, FTP, and Web Support

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