

DeviceMaster® RTS DB9M 1-Port

Part Number: 99435-0

Part Number: 99437-4 (Includes EU Power Supply)



KEY FEATURES AND BENEFITS

- No serial cable distance limitations enables communication between a host PC and serial devices located anywhere across an Ethernet network
- RS-232/422/485 software selectable
- Supports native COM, TTY, or TCP/IP Socket communication modes
- Web-based configuration makes setup and management changes quick and easy
- Rugged stainless steel housing enables DIN rail or panel mounting
- Temperature rated for extreme conditions (-40° to 75°C)
- PortVision® DX remote monitoring and management software
- Software Developer Kit available for users interested in writing custom applications to run on the DeviceMaster platform
- NEMA TS2 Certified
- RoHS2 compliant under CE
- IPV6 support



PRODUCT DESCRIPTION

The Control DeviceMaster RTS 1-Port DB9 is a single-port device server designed for network-enabling serial communications devices. When used with the included NS-Link™ driver software and a host PC, the DeviceMaster RTS enables placement of COM or TTY ports anywhere on an Ethernet network or across the internet.

In applications where connecting legacy serial devices to a PC without software changes is a requirement, a pair of DeviceMaster RTS units can be used to create a point-to-point serial tunnel across the network that seamlessly transfers serial data via TCP or UDP socket connections. This product is RoHS2 compliant under CE.

DEVICEMASTER SPECIFICATIONS

HARDWARE

Bus Interface Specification
10/100 BASE-T

Memory
8MB SDRAM, 4MB Flash

Enclosure
Stainless Steel

Installation Method
Panel mountable or DIN rail

LED Indicators
100MB Ethernet, Duplex, Ethernet Link/Activity, and Status

Dimensions
3.6" x 0.8" x 2.8"
41.4 x 20.3 x 71.1 mm

Product Weight
7.8 oz
0.22 kg

ELECTRICAL SPECIFICATIONS

Device Requirements
200mA @ 5 VDC

Device Consumption
2.1 Watts

Control External Power Supply
Input
90 to 132VAC @ 60Hz
90 to 264VAC @ 50-60Hz (Euro Power Supply version)
Output
420mA @ 5 VDC
5VDC @ 2A (Euro Power Supply version)

Surge Protection
Provides minimum of 15KV protection for all serial lines.
All Ethernet components are rated to 1.5KV magnetic surge protection.

ENVIRONMENTAL SPECIFICATIONS

Air Temperature
System On -40° to 75°C
System Off -40° to 85°C

Operating Humidity
5% to 95%

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

Heat Output
7.2 BTU/Hr

Mean time between failures
48.4 Years

SERIAL COMMUNICATIONS

Connector Type
DB9M

Number of Ports
1

Software Interfaces
RS-232/422/485

Baud Rates
50 bps to 230Kbps
300 bps to 230.4Kbps (Euro Power Supply Version)
Receive Buffer 1024bytes
Transmit Buffer 256bytes

Device Driver Data Control
Data Bits 7 or 8
Parity Odd, Even, None
Stop Bits 1 or 2
Flow Control
Hardware, Software or none

ETHERNET SPECIFICATIONS

Network Protocols
ARP, BOOTP, DHCP/RARP/Ping, HTTP, ICMP, RFC 1006 (ISO over TCP), SNMP (MIB-II), TCP/IP & UDP socket services, Telnet, and TFTP, and supports IP multicast data transmission

Connector Type
RJ45F Auto MDI/MDI-X

Number of Ports
1

FEATURES

SNMP Support
Monitoring Only

Other
Event notification, lowest latency, NS-Link COM/TTY port redirector, PortVision DX remote management and Watchdog reset

Manufacturer's Warranty
5 Years

EXPORT INFORMATION

Packaged Shipping Weight
1.97 lbs
0.89 kg

Package Shipping Dimensions
9.18" x 2.5" x 7.25"
233 x 63.5 x 184 mm

UPC Code
7-56727-99435-0
(w/ EU power supply) 7-56727-99437-4

ECCN
5A992

Schedule B Number
8471.80.1000

DEVICE DRIVERS

Linux
Microsoft® Windows® XP through Windows 10

REGULATORY STANDARDS

Emissions
Canadian EMC requirements
ICES-003
CISPR-22
European Standard EN55022 FCC Part 15 Subpart B Class A limit
AS/NZS-3548

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

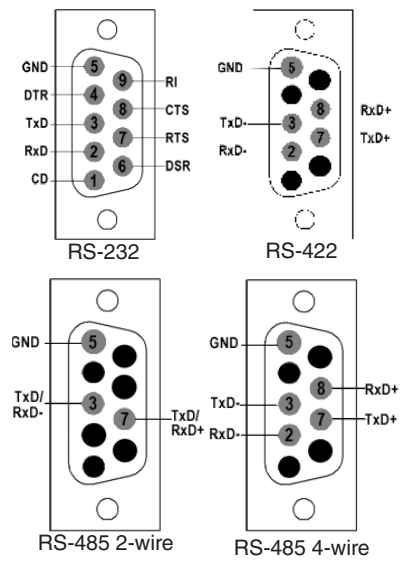
Safety
IEC 60950/EN60950 (LISTED)
CSA C22.2 No. 60950/UL60950 Third Edition

Other
NEMA TS2 Compliant
RoHS2 compliant under CE

REGULATORY APPROVALS



PIN ASSIGNMENTS



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

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