COMTROL®

DEVICE SERVER

DeviceMaster® RTS 8-Port RJ45

Part Number: 99449-7

KEY FEATURES AND BENEFITS::

- NEMA TS2 Certified
- No serial cable distance limitations enables communication between a host PC and serial devices located anywhere across an Ethernet network
- Software selectable RS-232/422/485 serial interfaces
- Supports native COM, TTY, or TCP/IP socket communication modes
- Web-based configuration makes setup and management changes quick and easy
- Real-time e-mail event notification alerts administrator of potential connection and security issues
- Built-in two-port 10/100 Ethernet switch
- Wide -37° to 74°C industrial temperature range
- Rugged stainless steel housing enables DIN rail or panel-mounting
- PortVision® DX monitoring and management software automatically monitors devices on the network and enables user to view status, update firmware and resolve issues remotely
- Software developer kit available for users interested in writing custom applications to run on the DeviceMaster platform
- RoHS2 compliant under CE
- IPV6 support

PRODUCT DESCRIPTION::

The Comtrol DeviceMaster RTS 8-Port DB9/RJ45 is an eight-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.

NEMA TS2

PORTVISION DX MANAGEMENT SOFTWARE

connect. communicate. control.

DEVICEMASTER SPECIFICATIONS::

HARDWARE

Processor	ARM7 44 Mhz
8MB RAM	
4MB Flash (Programmable)	
(2) 10/100 BASE-T Ethernet	
Black Finished Steel Enclosure	
Product Weight	4.82 lbs 2.19 kg
Product Dimensions	10.8" x 1.8" x 6.3" 27.43 x 4.57 x 16 cm
Packaged Shipping Weight	7.82lbs 3.55 kg
Panel/Rack Mountable	
LED Indicators	
Status	
Ethernet Link/Activity	
Collision	
100MB Ethernet	
RX/TX Per Port	
Surge Protection	15KV

ELECTRICAL SPECIFICATIONS

Device Requirements	9 to 30 VDC
Device Consumption	6.96 Watts
External Power Supply	(Included)
Input	
90 to 260 VAC @ 60Hz	
Output	
290mA @ 24 VDC	

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-37° to 74°C
Storage Temperature	-40° to 85°C
Operating Humidity	5% to 95%
Altitude	0 to 10,000 Ft 3,048 m
Heat Output	23.8 BTU/Hr
MTBF (Mean time between failures)	21.5 Years

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)
BootLoader 2.04
Socketserver 3.18

SERIAL COMMUNICATIONS

Software-Selectable	RS-232/422/485
Baud Rates	65bps to 230 Kbps
Serial Connectors	(8) DB9/RJ45 Adapters
Data Bits	7 or 8
Parity	Odd, Even, None
Stop Bits	1 or 2

FEATURES

Lowest Latency
NS-Link COM/TTY Port Redirector
PortVision Remote Management
TCP/IP & UDP Socket Services
Telnet
HTTP
SNMP
DHCP / RARP / ARP / BOOTP / Ping
Hardware & Software Flow Control
Watchdog Reset
Event Notification
RFC 1006
Supports IP multicast data transmission

EXPORT INFORMATION

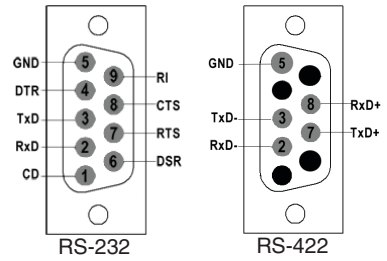
Packaged Shipping Weight	7.82lbs
Package Shipping Dimensions	14.9" x 4" x 10.9" 37.85 x 10.16 x 27.69 cm
UPC Code	7-56727-99449-7
ECCN	5A992
Schedule B Number	8471.80.1000

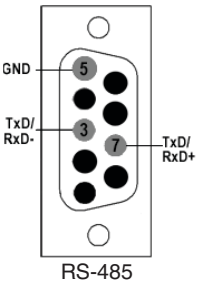
REGULATORY STANDARDS

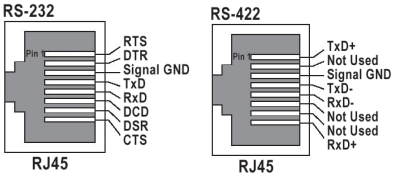
Immunity
EN55024; EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8, EN61000-4-11, IEC 1000-4-2, IEC 1000-4-3, IEC 1000-4-4, IEC 1000-4-5, IEC 1000-4-6, IEC 1000-4-8, IEC 1000-4-11
Emission
EN55022 & A1:2000 IEC 1000-3-2, IEC 1000-3-3, CISPR-22, ICES-003
Safety
EN60950, IEC 60950, CSA C22.2 No. 50/UL60950
NEMA TS2 Compliant
RoHS2 compliant under CE

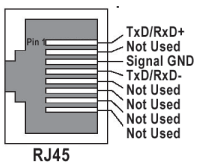
REGULATORY APPROVAL MARKS

PIN ASSIGNMENTS









RECOMMENDED PRODUCTS::

1200035 24VDC External Power Adapter

99160-1 DeviceMaster Rack Mount Shelf

COMTROL®

Warranty Information
Comtrol offers a 30-day satisfaction guarantee and 5-year limited warranty.

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