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DeviceMaster® RTS 32-Port RJ45 Rack Mount

Part Number: 99456-5

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

- Native COM, TTY, or TCP/IP socket communication modes

- Provides 32 serial ports in a 1U rack mount space

- 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

- Rugged metal housing enables rack mounting

- Wide operating temperature (-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

- SSL & SSH management, SSL serial data stream encryption

- RoHS2 compliance under CE

- IPv6 support

PORTVISION DX
MANAGEMENT SOFTWARE

EXTENDED TEMPERATURE RATINGS

MADE IN USA

PRODUCT DESCRIPTION

The Comtrol DeviceMaster RTS 32-Port Rack Mount RJ45 is a 32-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.

Your automation, our passion.

DEVICEMASTER SPECIFICATIONS

HARDWARE

Processor   ARM7 44Mhz
   8MB RAM
   4MB Flash (Programmable)
   (1) 10/100 BASE-T Ethernet
Black Finished Steel Enclosure
Dimensions
   17.25" x 1.74" x 10.8"
   43.82 x 4.42 x 27.43 cm
Product Weight
   6.7 lbs
   3.04 kg
LED Indicators
   Status
   Ethernet Link/Activity
   Collision
   100MB Ethernet
   RX/TX Per Port
Surge Protection
   15KV

ELECTRICAL SPECIFICATIONS

Device Consumption
   22.0 Watts
Internal Power Supply (Included)
   Input
      90 to 260 VAC @ 60Hz

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature
   -40 to 75°C
Storage Temperature
   -40 to 85°C
Operating Humidity
   5% to 95%
Altitude
   0 to 10,000 Ft
Heat Output
   75.0 BTU/Hr
Mean time between failures
   6 Years

SERIAL COMMUNICATIONS

Software-Selectable
   RS-232/422/485
Baud Rates
   50bps to 230 Kbps
Serial Connectors
   (32) RJ45
Data Bits
   7 or 8
Parity
   Odd, Even, None
Stop Bits
   1 or 2

DEVICE DRIVERS

Linux
Microsoft® Windows® XP through Windows 10

EXPORT INFORMATION

Packaged Shipping Weight
   9.04lbs
   4.1 kg
Package Shipping Dimensions
   19.63" x 4" x 14"
   49.9 x 10.2 x 35.5 cm
UPC Code
   7-56727-99456-5
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
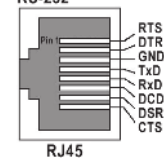**Other**
   RoHS2 compliance under CE

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
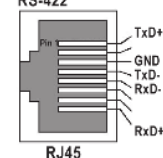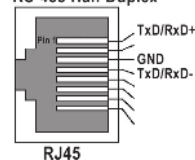   Supports IP multicast data transmission

REGULATORY APPROVAL MARKS

CE FC c(UL)us ⟲

PIN ASSIGNMENTS

RS-232 — RJ45 — Pin 1 — RTS, DTR, GND, TxD, RxD, DCD, DSR, CTS

RS-422 — RJ45 — Pin 1 — TxD+, GND, TxD-, RxD-, RxD+

RS-485 Half Duplex — RJ45 — Pin 1 — TxD/RxD+, GND, TxD/RxD-

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