DeviceMaster® RTS
4-Port DB9/RJ45
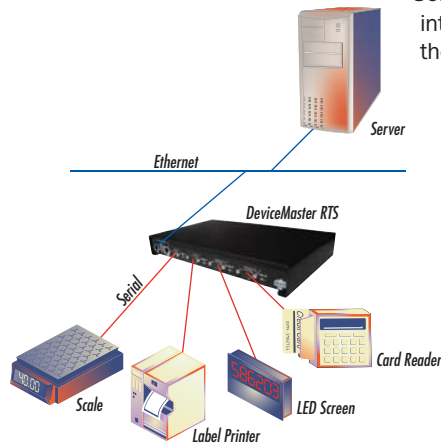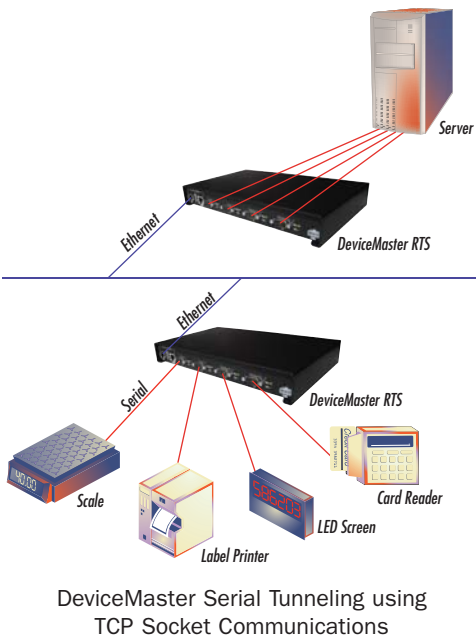
Part number
99446-6

The Comtrol DeviceMaster RTS 4-Port DB9/RJ45 is a four-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.

Highlights

• **RoHS Directive 2002/95/EC compliant**

• **No serial cable distance limitations—**enables communication between a host PC and serial devices located anywhere across an Ethernet network

• **Software selectable—**RS-232, RS-422, or RS-485 serial interfaces simplify setup and eliminate mechanical tampering associated with DIP switch products

• **Application compatibility—**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—**simplifies network connection

• **Rugged metal housing—**enables panel and optional rack mounting

• **Temperature rated for extreme conditions—**operating temperature of -37° to 74°C enables DeviceMaster to function in a wide variety of harsh environments

• **PortVision® remote monitoring and management software—**automatically locates DeviceMasters on the network, enabling 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

Server

DeviceMaster RTS

Ethernet

Ethernet

Serial

DeviceMaster RTS

Scale

Label Printer

LED Screen

Card Reader

DeviceMaster Serial Tunneling using
TCP Socket Communications

Server

Ethernet

DeviceMaster RTS

Serial

Scale

Label Printer

LED Screen

Card Reader

Ethernet-Enabled Serial Devices
using NS-Link COM/TTY Driver

COMTROL®
Network Enabling Devices

Specifications

HARDWARE

Processor	ARM7 44Mhz
8MB RAM	
4MB Flash (Programmable)	
(2) 10/100 Base–T Ethernet	
Black Finished Steel Enclosure	
Product Weight	3.44 Lbs
Packaged Shipping Weight	7.48 Lbs
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	4.8 Watts
External Power Supply	(Included)
Input	90 to 260 VAC @ 60Hz
Output	200mA @ 24 VDC

ENVIRONMENTAL SPECIFICATIONS

Ambient Operating Temperature	–37 to 74°C
Storage Temperature	–40 to 85°C
Operating Humidity	5% to 95%
Altitude	0 to 10,000 Ft
Heat Output	16.4 BTU/Hr
MTBF	25.0 Years

DEVICE DRIVERS

Microsoft Windows NT®, Microsoft Windows 2000®, Microsoft Windows Server 2003®, Microsoft Windows XP®, Linux

SERIAL COMMUNICATIONS

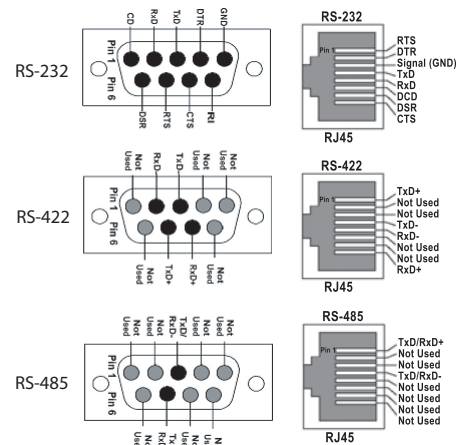|	
Software–Selectable	RS–232/422/485
Baud Rates	50 to 230 Kbps
Serial Connectors	(4) DB9/RJ45 Adapters
Data Bits	7 or 8
Parity	Odd, Even, None
Stop Bits	1 or 2

FEATURES

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

REGULATORY APPROVAL MARKS

CE Mark, FCC Part 15 Subpart B Class A, C–Tick, CUL, RoHS 2002/95/EC

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

Serial Pin Assignments

DeviceMaster RTS 4-Port Dimensions

Product Support & Service Information

Warranty Information
Comtrol offers a 30-day satisfaction guarantee and 2-year limited warranty on all DeviceMaster RTS products.

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COMTROL®
Network Enabling Devices

LT1255B

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