DEVICE·MASTER®
RTS
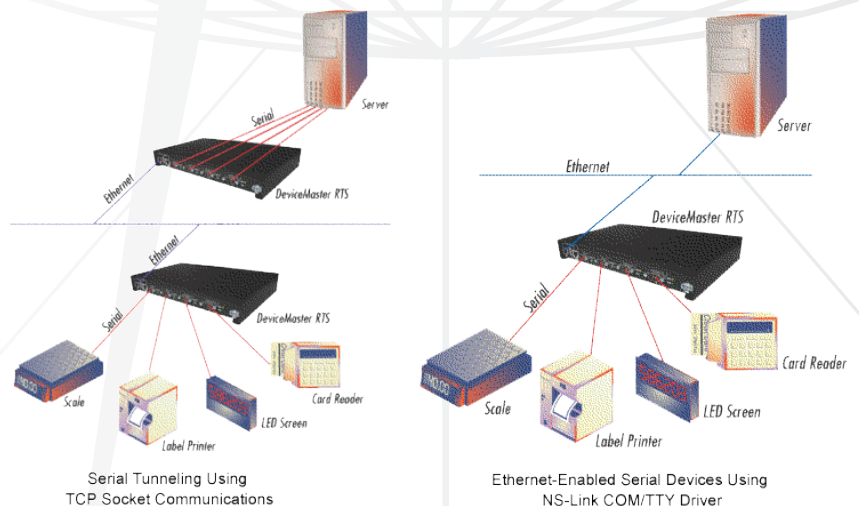
- RoHS Directive 2002/95/EC compliant

- 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

- Wide -37° to 74°C industrial temperature range

- Rugged stainless steel housing enables DIN rail or panel-mounting

- PortVision®enterprise monitoring and management software automatically monitors devices on the network and enables user to view status, update firmware and resolve issues remotely

Part Number
99448-0

Serial Tunneling Using
TCP Socket Communications

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

NEMA TS2
CERTIFIED

DeviceMaster® RTS 8-Port DB9

The Comtrol DeviceMaster RTS 8-Port DB9 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.

COMTROL®

HARDWARE

Dimensions	10.8" x 1.8" x 6.3"
Processor	ARM7 44Mhz
8MB RAM	
4MB Flash (Programmable)	
(2) 10/100 Base-T Ethernet	
Black Finished Steel Enclosure	
Product Weight	77.1 oz
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
Heat Output	23.8 BTU/Hr
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	50 to 230 Kbps
Serial Connectors	(8) DB9
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

REGULATORY APPROVAL MARKS

RoHS   CE   C   FC   c UL us

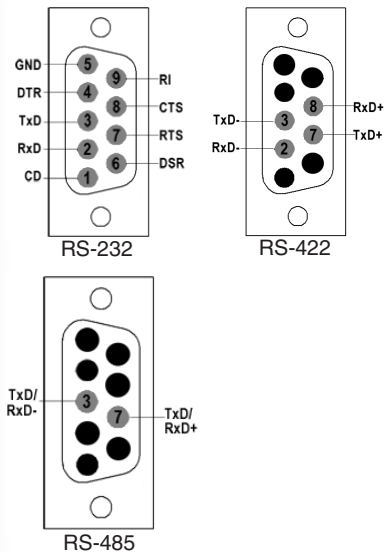## REGULATORY STANDARDS

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

RTS PIN ASSIGNMENTS

RS-232   RS-422

RS-485

ORDERING INFORMATION

99448-0 DeviceMaster RTS 8-Port DB9

PRODUCT SUPPORT & SERVICE INFORMATION

Warranty Information
Comtrol 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

*We have tested the products to run at these temperatures.