

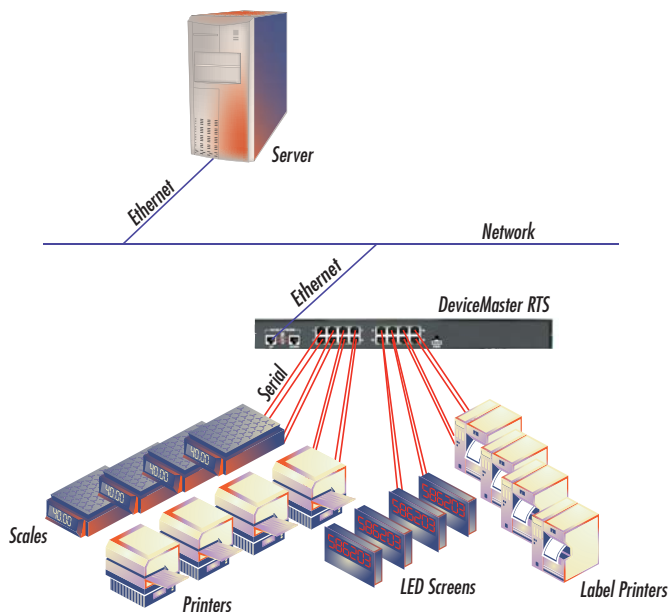
DeviceMaster® RTS

16-Port RJ45



Part number
99450-3

The Control DeviceMaster RTS 16-Port RJ45 is a 16-port device server designed for network-enabling serial communications devices. When used with the included NSLink™ 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.



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

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
- **Built-in two-port 10/100 Ethernet switch**—simplifies network connection
- **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
- **Temperature rated for extreme conditions**—operating temperature of -20° to 60°C enables DeviceMaster to function in a wide variety of harsh environments
- **1U rack mount housing**—provides compatibility with existing IT equipment
- **PortVision™ remote monitoring and management**—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

Specifications

HARDWARE

Processor	ARM7 44Mhz
8MB RAM	
4MB Flash (Programmable)	
(2) 10/100 Base-T Ethernet	
Rackmount Enclosure	
Product Weight	2.25 Lbs
Packaged Shipping Weight	5.66 Lbs
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	11.76 Watts
External Power Supply	(Included)
Input	90–260 VAC @ 50–60Hz
Output	490mA @ 24 VDC

ENVIRONMENTAL SPECIFICATIONS

Ambient Operating Temperature	–20 to 60°C
Storage Temperature	–20 to 85°C
Operating Humidity	5% to 95%
Altitude	0 to 10,000 F
Heat Output	40.1 BTU/Hr
MTBF	13.2 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	(16) RJ45
Data Bits	7 or 8
Parity	Odd, Even, None
Stop Bits	1 or 2

FEATURES

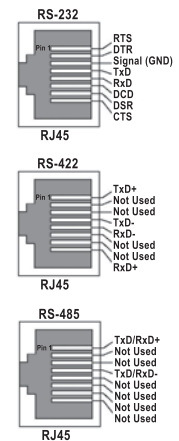
Lowest Latency
NS–Link COM/TTY Port Redirector
PortVision Remote Management
TCP/IP & UDP Socket Services
Real–Time Clock
Telnet
HTTP
SNMP
DHCP / RARP / ARP / BOOTP / Ping
Hardware & Software Flow Control
Watchdog Reset
Event Notification
RFC 1006

REGULATORY APPROVAL MARKS

CE Mark, FCC Part 15 Subpart B Class A, C–Tick, UL,
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 16-Port Dimensions

Product Support & Service Information

Warranty Information

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

Sales Support

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Technical Support

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