

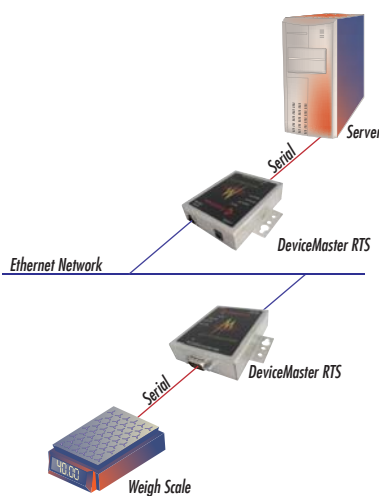
Part number 99000-0 DeviceMaster® RTS 1-Port



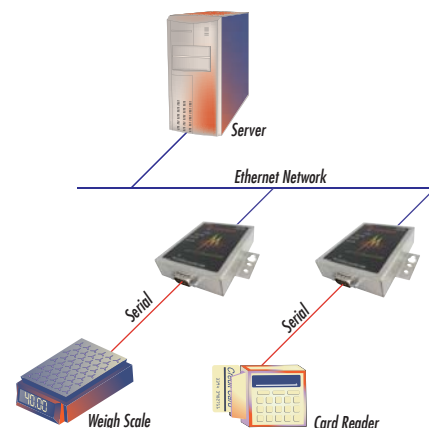
The Control DeviceMaster RTS 1-Port DB9 is a single-port device server designed for network-enabling serial communications devices. When used with the included NS-Link™ driver software and a host PC, the DeviceMaster RTS enables placement of COM or TTY ports anywhere on an Ethernet network or across 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

- ◆ **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
- ◆ **Rugged stainless steel housing**—enables DIN rail or panel mounting
- ◆ **Temperature rated for extreme conditions**—operating temperature of -20° to 60°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, resolve issues remotely
- ◆ **Software Developer Kit**—available for users interested in writing custom applications to run on the DeviceMaster platform



DeviceMaster Serial Tunneling using TCP Socket Communications



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



Specifications

HARDWARE

Processor	ARM7 44Mhz
8MB RAM	
4MB Flash (Programmable)	
(1) 10/100 Base-T Ethernet	
Stainless Steel Enclosure	
Product Weight	0.46 Lbs
Packaged Shipping Weight	1.96 Lbs
Panel/DIN Rail Mountable	
LED Indicators	
Status	
Ethernet Link/Activity	
Duplex	
100MB Ethernet	
Surge Protection	15KV

ELECTRICAL SPECIFICATIONS

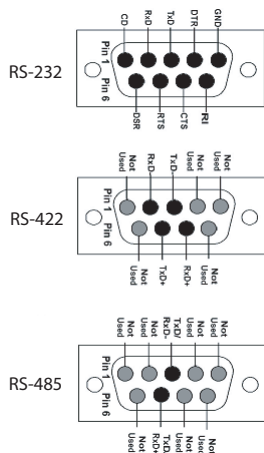
Device Requirements	200mA @ 5 VDC
Device Consumption	2.1 Watts
External Power Supply	(Included)
Input	90 to 132 VAC @ 60Hz
Output	420mA @ 5 VDC

ENVIRONMENTAL SPECIFICATIONS

Ambient Operating Temperature	-20 to 60°C
Storage Temperature	-20 to 85°C
Humidity (Non-Condensing)	System On: 20% to 80% System Off: 8% to 80%
Altitude	0 to 10,000 Ft
Heat Output	7.16 BTU/Hr
MTBF	48.4 Years

DEVICE DRIVERS

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



Serial Connector Pin Assignments

SERIAL COMMUNICATIONS

RS-232/422/485	
Software-Selectable Interface	
Baud Rates	50 to 230 Kbps
Serial Connector	(1) DB9 Male
Data Bits	7 or 8
Parity	Odd, Even, None
Stop Bits	1 or 2

FEATURES

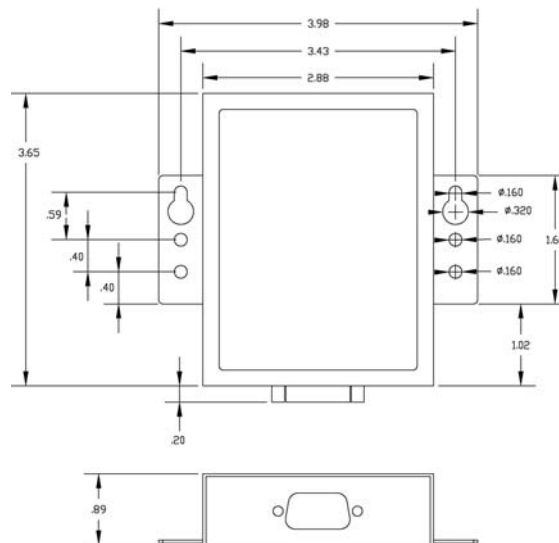
Lowest Latency
NS-Link COM/TTY Port Redirector
PortVision Remote Management
TCP/IP & UDP Socket Services
Telnet
HTTP
SNMP
DHCP / RARP / ARP / BOOTP / Ping
Hardware & Software Flow Control
Watchdog Reset
Event Notification
RFC 1006

REGULATORY APPROVAL MARKS

CE Mark, FCC Part 15 Subpart B Class A, C-Tick, CUL

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. UL60950



Dimensional Diagram for RTS 1-Port (shown in inches)

Product Support & Service Information

Technical Support. All Control products come with easy-to-use documentation. For technical assistance, our top-notch technical support team is only a phone call away. Call (763) 494-4100, or e-mail support@control.com.

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

Email, FTP, and World Wide Web Support.

For more information on Control products or programs, or to download device drivers, diagnostics, or sample code, visit our Web site at www.control.com or our FTP site at ftp.control.com, or e-mail us at info@control.com.

For more information, please call Control sales, or visit our Web site at www.control.com.

Product information subject to change without notice.

Corporate Office
6655 Wedgwood Rd.
Maple Grove, MN 55311
Toll Free: 800 926-6876
Phone: 763 494-4100
Fax: 763 494-4199
<http://www.control.com>
E-mail: info@control.com

Control Europe Ltd
Unit 2, Avonbury Business Park
Howes Lane, Oxon, Bicester
Great Britain, England OX26 2UA
Phone: 011 44 1869 323220
Fax: 011 44 1869 323211
<http://www.control.co.uk>
E-mail: info@control.co.uk