

## DeviceMaster<sup>®</sup> RTS 1-Port Device Server



The DeviceMaster RTS 1-Port 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 transfer 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 configuration 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  $-20^{\circ}$  to  $60^{\circ}\text{C}$  enables DeviceMaster to function in a wide variety of harsh environments
- PortVision<sup>®</sup> enterprise monitoring and management software**—automatically monitors devices on the network and enables 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

# System Specifications

## Hardware

**Processor Type**ARM7 44MHz

**Memory**8MB SDRAM/4MB flash

**Enclosure**Silver, Stainless Steel

**Dimensions**3.6" x 2.8" x 0.8" (excluding mounting tabs)

**Product Weight**7.4 oz

**Packaged Shipping Weight**1.96 Lbs

**Installation Method**Panel/DIN Rail mountable

**LED Indicators**Status, Ethernet Link/Activity, Duplex, 100MB Ethernet

## Device Drivers

**Microsoft Windows NT® 4.0**

**Microsoft Windows 2000®**

**Microsoft Windows XP®**

**Microsoft Windows Server 2003®**

**Linux**

## Electrical Specifications

**Current Consumption**420 mA @ 5VDC

**Power Consumption**2.1 Watts

**External Power Supply**included

**Line Frequency**60 Hz

**Line Voltage**90-132VAC

## Ethernet Specifications

**Network Protocols**TCP/IP & UDP socket services, BOOTP, TFTP, ICMP, ARP, SNMP (MIB-II), Telnet, HTTP, DHCP/RARP/Ping

**Ethernet Host Interface**(1) 10/100 Base-T

**Network Default Values**

## Serial Communications

**Serial Interfaces**RS-232, RS-422, and RS-485 (Software Selectable)

**Baud Rate**230.4 Kbps

**Connector Type**DB9 Male

**Surge Protection**Ethernet components are rated to 1.5KV magnetic surge protection, in addition to the serial port ESD surge protection minimum of 15KV @ 200A for a duration of 1ns.

**Flow Control**Hardware & Software

## Environmental Specifications

### Temperature

**System On**-20 to 60°C

**System Off**-20 to 85°C

### Humidity (Non-Condensing)

**System On**20% to 80%

**System Off**8% to 80%

**Altitude**0 to 10,000 Feet

**Heat Output**7.16 BTU/Hr

**MTBF**48.4 Years

## Features

**SNMP Support**Monitoring only.

**Other**Lowest latency, NS-Link COM/TTY port redirector, PortVision remote management, Watchdog reset, Event notification, RFC 1006



# DB9M Serial Connector Pin Assignments

