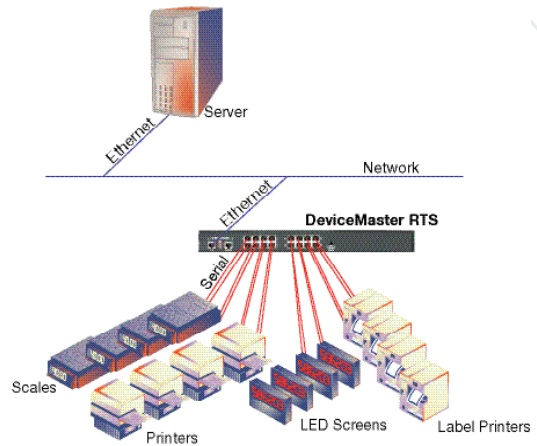# DEVICE·MASTER®
RTS

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

- RS-232, RS-422, or RS-485 software selectable

- Application compatibility supports native COM, TTY, or TCP/IP socket communication modes

- 120/240 VAC power supply with US and Euro power cords

- 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

- 1U rack mountable

- Wide operating temperature of -37° to 74°C

- PortVision® Plus remote monitoring and management software

- Software developer kit available for users interested in writing custom applications to run on the DeviceMaster platform

- SSL & SSH management, SSL serial data stream encryption

Part Number
99455-8

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

DeviceMaster® RTS 16-Port RJ45 Rackmount

The Comtrol DeviceMaster RTS 16-Port Rackmount is a 16-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®

COMTROL®

HARDWARE

Processor   ARM7 44Mhz
   8MB RAM
   4MB Flash (Programmable)
   (1) 10/100 Base-T Ethernet
Black Finished Steel Enclosure
Product Weight   6.22 Lbs
Packaged Shipping Weight   8.76 Lbs
LED Indicators
   Status, Ethernet Link/Activity, Collision, 100MB
   Ethernet, RX/TX Per Port
Surge Protection   15KV

ELECTRICAL SPECIFICATIONS

Device Consumption   14.3 Watts
Internal Power Supply   (Included)
   Input
      90 to 260 VAC @ 60Hz

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   48.8 BTU/Hr
Mean time between failures   8.1 Years

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

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)

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,
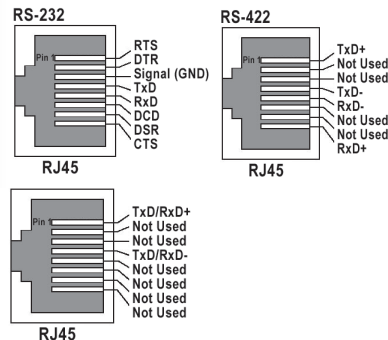   IEC 1000-3-3, CISPR-22, ICES-003,
Safety
   EN60950, IEC 60950,
   CSA C22.2 No. 50/UL60950

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

SERIAL PIN ASSIGNMENTS

RS-232
Pin 1
RTS
DTR
Signal (GND)
TxD
RxD
DCD
DSR
CTS
RJ45

RS-422
Pin 1
TxD+
Not Used
Not Used
TxD-
RxD-
Not Used
Not Used
RxD+
RJ45

Pin 1
TxD/RxD+
Not Used
Not Used
TxD/RxD-
Not Used
Not Used
Not Used
Not Used
RJ45

DEVICEMASTER 16-PORT DIMENSIONS

10.8"
1.74"
17.25"

ORDERING INFORMATION

99455-8 DeviceMaster RTS 16-Port RJ45
Rackmount

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.