

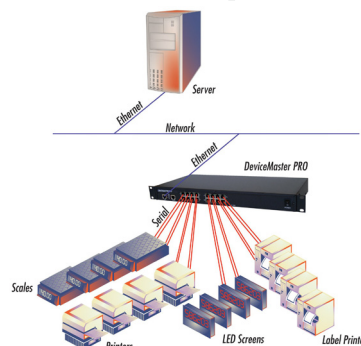


HIGHLIGHTS

- 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
- Serial ports with enhanced 25KV surge protection—supports native COM, TTY, or TCP/IP Socket communication modes
- Web-based configuration—makes setup and management changes quick and easy
- Rugged metal housing
- Temperature rated for extreme conditions—operating temperature of -37° to 74°C
- Built-in two-port 10/100 Ethernet switch—simplifies network connection
- 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—included for users interested in writing custom applications to run on the DeviceMaster platform



Part Number
99451-0



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

DeviceMaster® PRO 16-Port

The Control DeviceMaster PRO 16-Port 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 PRO 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 PRO 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. The product is fully compliant with the RoHS directive.



SPECIFICATIONS

HARDWARE

Processor	ARM7 44Mhz
8MB RAM	
4MB Flash (Programmable)	
(2) 10/100 Base-T Ethernet	
Black Finished Steel Enclosure	
Dimensions	17.25" x 8" x 1.74"
Product Weight	4.97 Lbs
Packaged Shipping Weight	8.75 Lbs
Panel/Rack Mountable	
LED Indicators	
Status, Ethernet Link/Activity, Collision, 100MB	
Ethernet, RX/TX Per Port	
Surge Protection	25KV

ELECTRICAL SPECIFICATIONS

Device Consumption	9.9 Watts
Internal Power Supply	
Input	90-260 VAC @ 50-60Hz
Environmental Specifications	
Operating Temperature*	-37° to 74°C
Storage Temperature	-40° to 85°C
Humidity (Non-Condensing)	
System On	20% to 80%
System Off	8% to 80%
Altitude	0 to 10,000Ft
Heat Output	33.8 BTU/Hr
Mean time between failures	12.7 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)

SERIAL COMMUNICATIONS

Software-Selectable Interface	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
 Telnet
 HTTP
 SNMP
 DHCP / RARP / ARP / BOOTP / Ping
 Hardware & Software Flow Control
 Watchdog Reset
 Event Notification
 RFC 1006
 Supports IP multicast data transmission

REGULATORY APPROVALS



REGULATORY STANDARDS

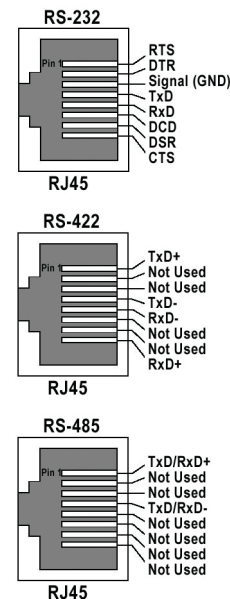
Immunity
 EN55024, EN61000-4-2, EN61000-4-3,
 EN61000-4-4, EN61000-4-5, EN61000-4-6,
 EN61000-4-8, EN61000-4-11, IEC 1000-4-2,
 IEC 1000-4-3, IEC 1000-4-4, IEC 1000-4-5,
 IEC 1000-4-6, IEC 1000-4-8, IEC 1000-4-11

Emission
 EN55022, EN61000-3-2, EN61000-3-3,
 IEC 1000-3-2, IEC 1000-3-3, CISPR-22, ICES-003

Safety
 EN60950, IEC 60950,
 CSA C22.2 No. 60950/UL60950



PRO PIN ASSIGNMENTS



ORDERING INFORMATION

99451-0 DeviceMaster PRO 16-Port

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.