

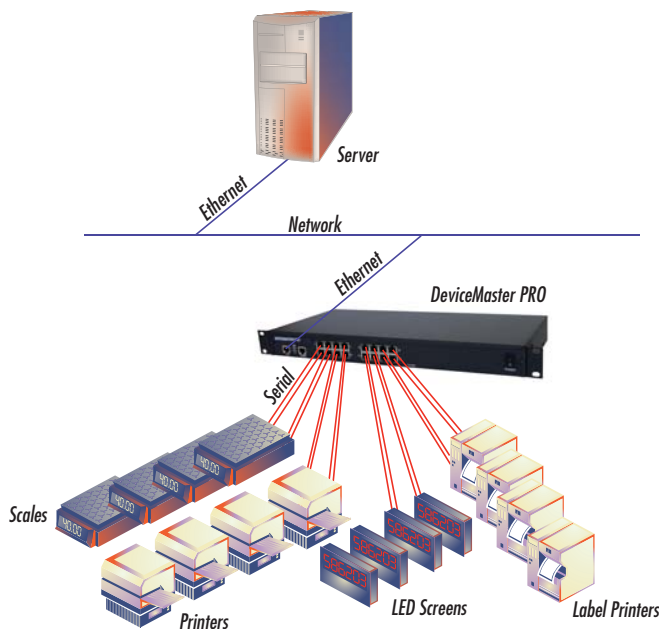
# DeviceMaster® PRO

## 16-Port



Part Number  
99451-0

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.



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
- **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**—enables panel and rack mounting
- **Temperature rated for extreme conditions**—operating temperature of -37° to 74°C enables DeviceMaster to function in a wide variety of harsh environments
- **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

# Specification

## HARDWARE

Processor	ARM7 44Mhz
8MB RAM	
4MB Flash (Programmable)	
(2) 10/100 Base-T Ethernet	
Black Finished Steel Enclosure	
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	90–260VAC @ 50–60Hz

## ENVIRONMENTAL SPECIFICATIONS

Ambient 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
MTBF	12.7 Years

## DEVICE DRIVERS

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

## 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

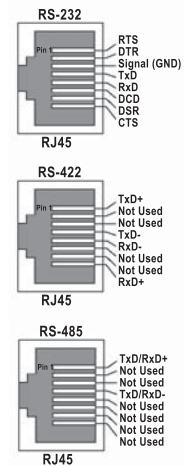
Lowest Latency  
NS-Link COM/TTY Port Redirector  
PortVision Remote Management  
TCP/IP & UDP Socket Services  
Real-Time Clock  
Telnet  
HTTP  
SNMP  
DHCP / RARP / ARP / BOOTP / Ping  
Hardware & Software Flow Control  
Watchdog Reset  
Event Notification  
RFC 1006

## REGULATORY APPROVALS

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



Serial Connector  
Pin Assignments



DeviceMaster PRO 16-Port Dimensions

## Product Support & Service Information

### Warranty Information

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

### Sales Support

+1.763.494.4100  
sales@comtrol.com

### Technical Support

+1.763.494.4100  
<http://www.comtrol.com/support>

### Email, FTP, and Web Support

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