



DeviceMaster® LT16

Part Number: 99581-4

Part Number: 99580-7 (excludes power supply)



KEY FEATURES AND BENEFITS

- No serial cable distance limitations enables communication between a host PC and serial devices located anywhere across an Ethernet network
- Digi International Inc. form factor and RS-232 pinout compatible
- 16 RS-232/422/485 software selectable ports with termination resistors
- Dual 10/100 Fast Ethernet ports
- Application compatibility supports native COM, TTY, or TCP/IP socket communication modes
- Web-based or Windows configuration makes setup and management changes quick and easy
- Real-time e-mail event notification alerts administrator of potential connection and security issues
- Wide operating temperature of 0° to 60°C
- Low profile, compact housing facilitates easy installation and mounting
- PortVision® DX for quick setup and remote management
- Security via SSL & SSH connections, SSL serial data stream encryption
- Support for the latest Windows operating systems (including Windows® 7 and 8) and Linux kernels
- LED indicators for power and port status
- RoHS2 compliant under CE

PRODUCT DESCRIPTION

The Control DeviceMaster 16-port device server is designed for network-enabling serial communications devices. When used with the included NSLink™ driver software and a host PC, the DeviceMaster enables placement of COM or TTY ports anywhere on an Ethernet network or across the Internet. In applications where

connecting serial devices to a PC without software changes is a requirement, a pair of DeviceMaster 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.

DEVICEMASTER SPECIFICATIONS

HARDWARE

Bus Interface Specification	10/100BASE-T Ethernet
Memory	
SDRAM	16MB
Flash	8 MB
Enclosure	Black Finished Steel
Installation Method	Panel mountable
LED Indicators	
Power, Status, Ethernet Link/Activity per port, Serial Link/Activity per port	
Dimensions	11.5" x 1.5" x 5.5" 292 x 38 x 140 mm
Product Weight	2.45 lbs 1.11 kg

ELECTRICAL SPECIFICATIONS

Input Voltage Requirements	9-30VDC
Power Consumption	4.5 Watts
Control External Power Supply	(Included)
Input	
90-264VAC @ 47-63Hz	
Output	
24VDC @ 500mA	
ESD Surge Protection	
Provides a minimum of 15KV protection on all serial lines. All Ethernet components are rated to 1.5KV magnetic surge protection.	

ENVIRONMENTAL SPECIFICATIONS

Air Temperature	
System On	0° to 60°C
System Off	-40° to 85°C
Operating Humidity (non-condensing)	0% to 95%
Altitude	0 to 10,000 feet 0 to 3,048 m
Mean time between failures (MTBF)	39.1 years

SERIAL COMMUNICATIONS

Connector Type	RJ45
Number of Ports	16

Serial Interfaces

RS-232
RS-422
RS-485, 4-wire, Master
RS-485, 4-wire, Slave
RS-485, 2-wire

Terminator Resistor for RS-422/485

Software controllable 120Ω termination resistors available for each transmit and receive differential pair on every port. The 120Ω termination resistors can be enabled between TX+ and TX- OR RX+ and RX- or both on every port.

Baud Rate	300bps to 230Kbps
Receive Buffer	4.5 KB
Transmit Buffer	4.5 KB
Device Driver Data Control	
Data Bits*	5, 6, 7, or 8
Parity**	
Odd, Even, Mark, Space, or none	
Stop Bits***	1, 1.5, or 2
Flow Control	
Hardware, Software, None	

- * Data bits 5, 6 are supported only in RFC2217 and socket mode
** Mark, Space parity are supported only in RFC2217 and socket mode
*** Stop bit 1.5 is supported only when used with 5 data bits

ETHERNET SPECIFICATIONS

Number of Ports	2
Speed	10/100Mbps
Connector Type	RJ45 Auto MDI/MDI-X
Ethernet specific features	Ethernet packet switching, auto negotiation, Link/Activity Status LED
Network Protocols	ARP, BOOTP, DHCP/RARP, HTTP, HTTPS, SSH, SSL/TLS, ICMP, RFC 1006 (ISO over TCP), SNMP (MIB-II), TCP/IP & UDP socket services, Telnet, and TFTP, and supports IP multicast data transmission

FEATURES

SNMP Support	Monitoring only
Other Software Features	
Lowest latency	
NS-Link COM/TTY port redirector	
TCP/IP & UDP socket services	
Telnet/RFC2217 COM Port control	
PortVision DX remote management	
Manufacturer's Warranty	5 years

EXPORT INFORMATION

Packaged Shipping Weight	4.85 lbs 2.2 kg
Package Dimensions	14.9" x 4" x 10.9" 379 x 102 x 277 mm
UPC Code	7-56727-99581-4
Country of Origin	USA
ECCN	5A992
Schedule B Number	8471.80.1000

DEVICE DRIVERS

Microsoft® Windows® 8
Microsoft® Windows® 7
Microsoft® Windows® 2008 Server
Microsoft® Windows® Vista
Microsoft® Windows Server® 2003
Microsoft® Windows® XP

REGULATORY APPROVALS

Emissions

FCC Part 15 Subpart B
Class A limit
Canadian EMC Requirements
ICES-003
European Standard EN55022

Immunity

European Standard EN55024:
IEC61000-4-2/EN61000-4-2: ESD
IEC61000-4-3/EN61000-4-3: RF
IEC61000-4-4/EN61000-4-4: Fast Transient/Burst
IEC61000-4-5/EN61000-4-5: Surge
IEC61000-4-6/EN61000-4-6: Conducted Disturbance
IEC61000-4-8/EN61000-4-8: Magnetic Field
IEC61000-4-11/EN61000-4-11: Voltage dips and variations

Safety

IEC 60950/EN60950 (LISTED)
CSA C22.2 No. 60950/UL60950 Third Edition

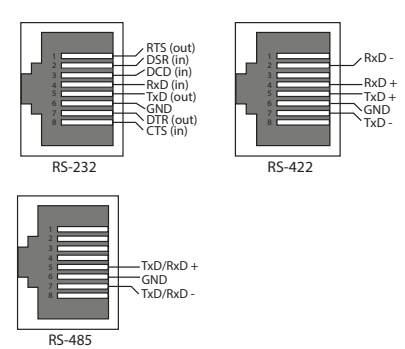
Other

RoHS2 Compliant

Regulatory Approvals



PINOUTS



Warranty Information

Control offers a 30-day satisfaction guarantee and 5-year limited warranty.

Sales Support

+1.763.957.6000
sales@comtrol.com

Technical Support

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Email, FTP, and Web Support

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