

DeviceMaster® LT16

Part Number: 99581-4



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 Comtrol 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

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

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

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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® XP through Windows 10

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

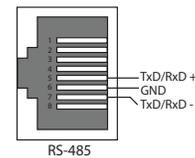
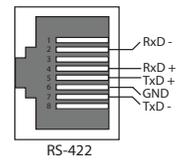
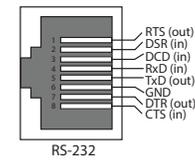
Other

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

+1.763.957.6000
www.comtrol.com/support

Email, FTP, and Web Support

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