

## DeviceMaster® 16-Port Serial Hub

Part Number: 20100223



### KEY FEATURES AND BENEFITS

- No serial cable distance limitations—enables communication between a host PC and serial devices located anywhere across an Ethernet network
- RS-232 serial interface on DB9 serial ports—providing increased shielding in noisy electrical environments
- Application compatibility—supports native COM, TTY, or TCP/IP Socket communication modes
- 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
- Rugged metal housing—enables panel and 1U rack mount
- PortVision® DX remote monitoring and management software
- Temperature rated for extreme conditions—operating temperature of -40° to 75°C enables DeviceMaster to function in a wide variety of harsh environments
- IPv6 support
- RoHS2 compliant under CE



### PRODUCT DESCRIPTION

The Control DeviceMaster Serial Hub 16-Port network enables up to 16 serial communications devices. When used with the included NS-Link™ driver software and a host PC, the DeviceMaster Serial Hub 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 Serial Hub 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 2 Directive.

# DEVICEMASTER SPECIFICATIONS

## HARDWARE

### Serial Connectors

(1) DB9 Male

### Ethernet Ports

(1) 10/100 Base-T

### Processor

ARM7 44MHz

### Memory

Mounting

Housing

8MB RAM, 4MB Flash  
Panel/Rack, DIN Rail  
Rugged Steel  
Construction

### LED Indicators

Status, Ethernet, Link/Activity, Collision, 100MB  
Ethernet, RX/TX Per Port

## HARDWARE

### Bus Interface Specification

10/100 BASE-T

### Memory

SDRAM

Flash

8 MB

4 MB

### Enclosure

Black Finished Steel

### Installation Method

Panel Mountable

### LED Indicators

100MB Ethernet, Collision, Ethernet Link/Activity, RX/TX  
per port, and Status

### Product Dimensions

17.25" x 1.75" x 1.1"

43.82 x 4.45 x 27.94 cm

### Product Weight

6.62 lbs

3 kg

## ELECTRICAL SPECIFICATIONS

### Device

Current Consumption +120VAC 70 mA

Power Consumption (max) 8.4W

Line Frequency 47-63 Hz

Line Voltage 90-264 VAC

### ESD Surge Protection

Provides minimum of 15KV for all serial lines, all  
Ethernet components are rated to 1.5KV magnetic surge  
protection

## ENVIRONMENTAL SPECIFICATIONS

### Air Temperature

System On -40° to 75°C

System Off -40° to 85°C

### Operating Humidity (Non-Condensing)

5% to 95%

### Altitude

0 to 10000 Feet

0 to 3048 m

### Heat Output

28.6 BTU/Hr

### Mean time between failures

9.5 Years

## SERIAL COMMUNICATIONS

### Connector Type

DB9M

### Number of Ports

16

### Supported Interfaces

RS-232

### Baud Rate

300bps to 230.4Kbps

Receive Buffer 1024 bytes

Transmit Buffer 256 bytes

### Device Driver Data Control

Data Bits 7 or 8

Parity odd, even, or none

Stop Bits 1 or 2

Flow Control

Hardware, Software, None

## ETHERNET SPECIFICATIONS

### Network Protocols

ARP, BOOTP, DHCP, HTTP, ICMP, Ping, RARP, RFC  
1006 (ISO over TCP), RFC 2217, SNMP (MIB-II), TCP/  
IP & UDP socket services, Telnet, TFTP

Supports IP multicast data transmission

### Connector Type

RJ45F

### Number of Ports

1

## EXPORT INFORMATION

### Packaged Shipping Weight

8.72lbs

3.96 kg

### Package Dimensions

19.625" x 4" x 14"

498.6 x 101.6 x 355.6 mm

### UPC Code

7-56727-99460-2

### Country of Origin

USA

### ECCN

5A992

### Schedule B Number

8471.80.1000

### FCC License Number

8471.80.1000

## DEVICE DRIVERS

Linux

Microsoft® Windows® XP through Windows 10

## FEATURES

### SNMP Support

Monitoring Only

### Event Notification and Watchdog

### Manufacturer's Warranty

5 Years

## REGULATORY STANDARDS

### Emissions

CANADIAN EMC REQUIREMENTS

ICES-003

European Standard EN55022

FCC PART 15 SUBPART B

CLASS A LIMIT

CISPR 22

### Immunity

European Standard EN55024

IEC 1000-4-2/EN61000-4-2: ESD

IEC 1000-4-3/EN61000-4-3: RF

IEC 1000-4-4/EN61000-4-4: Fast Transient

IEC 1000-4-5/EN61000-4-5: Surge

IEC 1000-4-6/EN61000-4-6: Conducted Disturbance

IEC 1000-4-8/EN61000-4-8: Magnetic Field

IEC 1000-4-11/EN61000-4-11: Dips and Voltage Variations

### Safety

IEC 60950/EN60950 (Recognized)

CSA C22.2 No. 60950/UL60950 Third Edition

### Other

RoHS2 compliance under CE

### Regulatory Approvals



## PIN ASSIGNMENTS

