



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

PORTVISION DX MANAGEMENT SOFTWARE

The Comtrol 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-topoint 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

Rugged Steel Construction LED Indicators Status, Ethernet, Link/Activity, Collision,100MB Ethernet, RX/TX Per Port

8MB RAM, 4MB Flash

Panel/Rack, DIN Rail

HARDWARE Bus Interface Specification 10/100 BASE-T Memory SDRAM Flash 8 MB 4 MB Enclosure Black Finished Steel Installation Method anel Mountable LED Indicators 100MB Ethernet, Collision, Ethernet Link/Activity, RX/TX per port, and Status Product Dimensions 17.25" x 1.75" x 11" 43.82 x 4.45 x 27.94 cm

Product Weight 6.62 lbs 3 kg

ELECTRICAL SPECIFICATIONS

Device

Current Consumption Power Consumption (max) Line Frequency Line Voltage

8.4W 47-63 Hz 90-264 VAC

+120VAC 70 mA

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 System Off -40° to 75°C -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

Number of Ports

Supported Interfaces

Baud Rate

Receive Buffer Transmit Buffer Device Driver Data Control

Data Bits Parity Stop Bits Flow Control

7 or 8 odd, even, or none 1 or 2 Hardware, Software, None

1024 bytes

256 bytes

300bps to 230.4Kbps



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

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

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 5 Years Manufacturer's Warranty

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

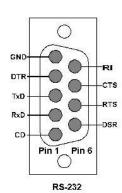
- IEC 1000-4-6/EN61000-4-6: Conducted Disturbance IEC 1000-4-8/EN61000-4-8: Magnetic Field IEC 1000-4-11/EN61000-4-11: Dips and Voltage Variations

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

RoHS2 compliance under CE Regulatory Approvals



PIN ASSIGNMENTS



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