MPort 200 series

Serial Device Server

Model: MPB 208

Features and Benefits

- Standard 19-inch rackmount size

- Easy IP address configuration

- Configure by Telnet, web browser, or Windows utility

- Socket modes: TCP server, TCP client, UDP

- SNMP MIB-II for network management

- Universal high-voltage range: 100 to 240 VAC or 88 to 300 VDC

- Popular low-voltage ranges: ±48 VDC (20 to 72 VDC, -20 to -72 VDC)

Introduction

With the MPort 200 Series, you not only protect your current hardware investment, but also allow for future network expansion by centralizing the management of your serial devices and distributing management hosts over the network.

Network Readiness for up to 16 Serial Devices

Only basic configuration is needed with the MPort 200 to connect up to 8 serial devices to an Ethernet network.

Real COM/TTY Ports

Real COM/TTY drivers are provided to make the serial ports on the MPort 200 recognizable as Real COM ports by Windows, or Real TTY ports by Linux. In addition to supporting basic data transmission and reception, the MPort drivers also support the RTS, CTS, DTR, DSR, and DCD control signals.

LED Indicators to Ease Your Maintenance Tasks

The System LED, serial Tx/Rx LEDs, and Ethernet LEDs (located on the RJ45 connector) provide a great tool for basic maintenance tasks and help engineers analyze problems in the field. The LEDs not only indicate current system and network status, but they also help field engineers monitor the status of attached serial devices.

Adjustable Termination and Pull High/Low Resistors

When using termination resistors to prevent serial signal reflection, it is important to set the pull high/low resistors correctly so that the electrical signal is not corrupted. Since no set of resistor values is universally

compatible for all environments, the MPort 208 has DIP switches on the bottom panel for setting the termination and pull high/low resistor values.

Specifications

Ethernet Interface

10/100BaseT(X) Ports (RJ45 connector)	2
Magnetic Isolation Protection	1.5 kV (built-in)

Ethernet Software Features

Configuration Options	Serial Console (MPort 204/208)
Management	DHCP Client, IPv4, SNTP, SMTP, SNMPv1, Telnet, DNS, HTTP, ARP, BOOTP, UDP, TCP/IP, ICMP

Serial Interface

Connector	RJ45
No. of Ports	8 ports
Serial Standards	RS-422, RS-485
Operation Modes	Disabled, TCP Client, TCP Server, UDP
Baud rate	Supports standard baud rates (unit=bps): 50, 75, 110, 134, 150, 300, 600, 1200, 1800, 2400, 4800, 7200, 9600, 19200, 38400, 57600, 115200, 230.4k, 460.8k, 921.6k
Parity	None, Even, Odd, Space, Mark
Pull High/Low Resistor for RS-485	1 kilo-ohm, 150 kilo-ohms
Terminator for RS-485	120 ohms

Serial Signals

RS-422	Tx+, Tx-, Rx+, Rx-, GND
RS-485-4w	Tx+, Tx-, Rx+, Rx-, GND
RS-485-2w	Data+, Data-, GND

Power Parameters

Input Current	128 mA @ 12 VDC 200 mA @ 12 VDC
Input Voltage	12 to 48 VDC
No. of Power Inputs	1
Source of Input Power	Power input jack

Physical Characteristics

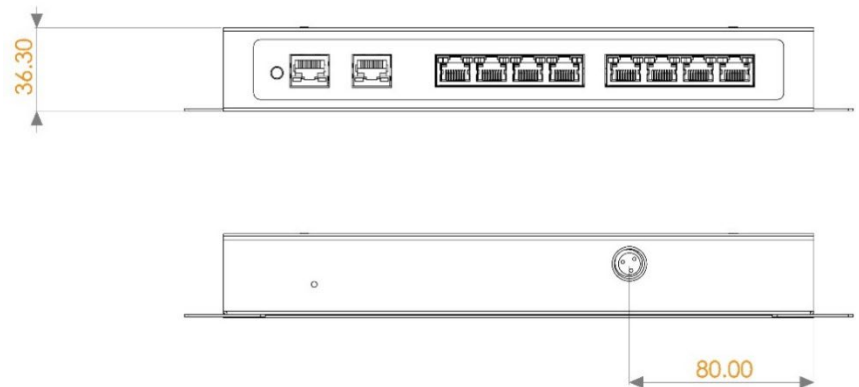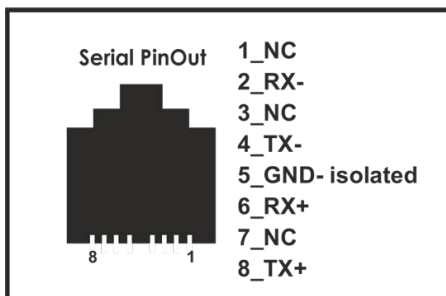| Housing	Metal
Installation	Desktop, DIN-rail mounting (with optional kit), Wall mounting
Dimensions (with ears)	154 x 205 x 32.5 mm
Dimensions (without ears)	154 x 177 x 32.5 mm
Environmental Limits	
Operating Temperature	-40 to 75°C (-40 to 167°F)
Storage Temperature (package included)	-40 to 75°C (-40 to 167°F)
Ambient Relative Humidity	5 to 95% (non-condensing)
MTBF	
Time	2,836,863 hrs
Standards	Telcordia (Bellcore) Standard TR/SR
Warranty	
Warranty Period	1 years

Dimensions

Unit: mm

Serial PinOut
1_NC
2_RX-
3_NC
4_TX-
5_GND- isolated
6_RX+
7_NC
8_TX+

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