

1

NPort 5130

1-port RS-422/485 Serial Device Server



Features

- Low cost; credit card size
- Real COM/TTY driver for Windows and Linux
- Versatile socket operation modes, including TCP Server, TCP Client, UDP Server/Client, and Ethernet Modem
- Pair Connection mode for connecting two serial devices over a network without a PC
- Easy-to-use Windows Utility for mass installation
- Built-in 15 KV ESD protection for all serial signals
- SNMP MIB-II for network management
- Configuration via Web/Telnet



Overview

It takes a long time to receive data from a series of serial devices that belong to an RS-485 daisy-chain. NPort 5130 can be used to get a faster response from each node, and help

the computer send commands to each RS-485 device in the chain, but receive all of the data in a split second.

Mass Installation in one second

The Windows version of NPort Administrator provides a convenient mass installation function that allows users to send the same configuration to several device servers over the network. This function is particularly useful for applications

that use several identically configured units of NPort 5130 that are distributed over the network. The mass installation function assigns a unique IP address to each unit, but all other configuration parameters are set with the same values.

Easy Troubleshooting

NPort 5130 supports SNMP V2, which can be used to monitor all NPort 5130 units over the Ethernet. When NPort 5130 encounters an error (as defined by the user) the NPort 5130 will automatically send a trap message to notify the SNMP manager. NPort 5130 also provides an email alert

function for users who don't use SNMP manager. Users can define the trigger of those alerts with MOXA's Windows utility or web console. Alerts can be generated when NPort 5130 warm starts, cold starts, a password is changed, etc.

Ordering Information

NPort 5130-US: 1-port RS-422/485 Device Server, 110 VAC, US plug

NPort 5130-EU: 1-port RS-422/485 Device Server, 240 VAC, Euro plug

NPort 5130-UK: 1-port RS-422/485 Device Server, 240 VAC, UK plug

NPort 5130-JP: 1-port RS-422/485 Device Server, 100 VAC, US plug

NPort 5130-SAA: 1-port RS-422/485 Device Server, 240 VAC, Australia plug

NPort 5130-CN: 1-port RS-422/485 Device Server, 240 VAC, US plug

All items include

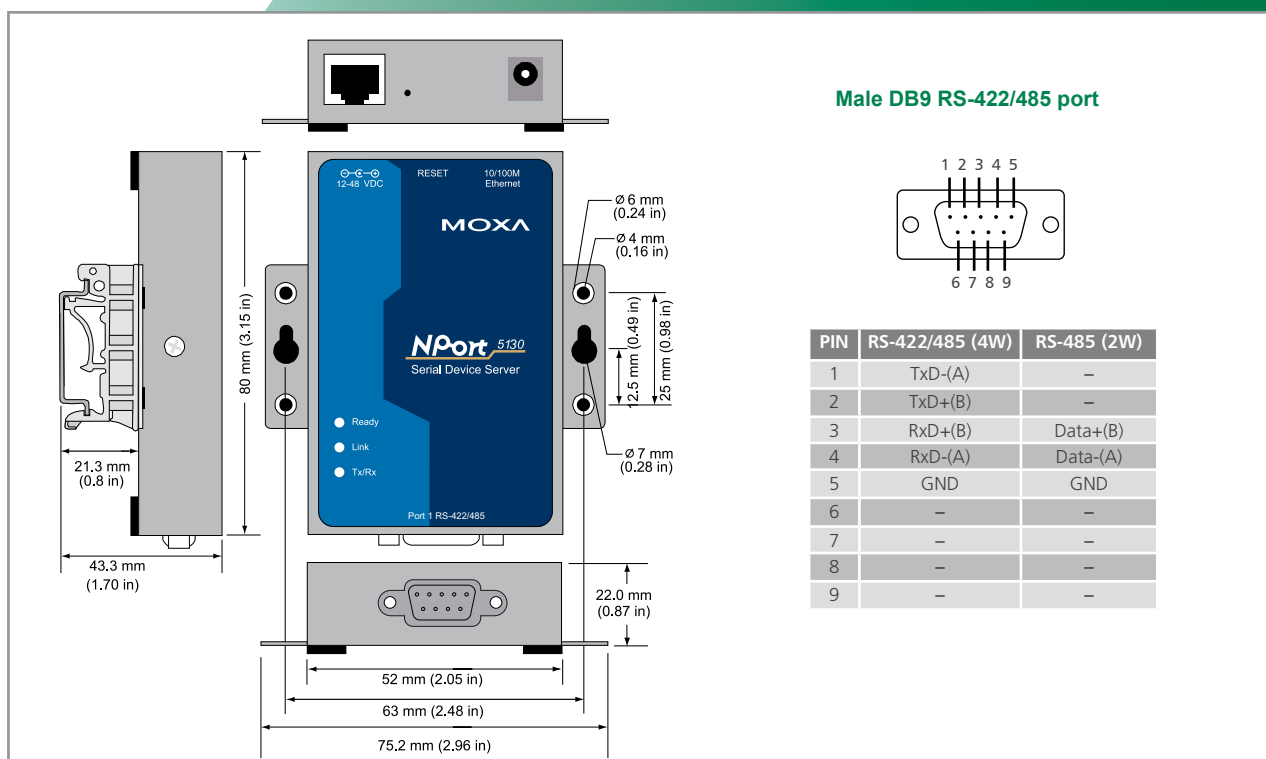
- 1 NPort 5130 serial device server
- Power Adaptor

- Quick Installation Guide
- NPort Document and Software CD-ROM

Optional Accessories

DK-35A: DIN-Rail Mounting Kit (35 mm)

Dimensions



Specifications

LAN

Ethernet: 10/100 Mbps, RJ45, Auto MDI/MDIX

Protection: Built-in 1.5 KV magnetic isolation

Serial

Interface: RS-422/485

No. of Ports: 1

Port Type: Male DB9

Signals:

RS-422: Tx+, Tx-, Rx+, Rx-, GND

RS-485 (2-wire): Data+, Data-, GND

RS-485 (4-wire): Rx+, Tx-, Rx+, GND

Serial Line Protection: 15 KV ESD for all signals

Serial Communication Parameters

Parity: None, Even, Odd, Space, Mark

Data bits: 5, 6, 7, 8

Stop bits: 1, 1.5, 2

Flow control: RTS/CTS, XON/XOFF

Speed: 50 bps to 921.6 Kbps

Software Features

Protocols: ICMP, IP, TCP, UDP, DHCP, BootP, Telnet, DNS, SNMP, HTTP, SMTP

Utilities: NPort Administration Suite for Windows 95/98/ME/NT/2000/XP/2003

OS Driver Support: Windows 95/98/ME/NT/2000/XP/2003/XP x64/2003 x64 COM driver, Linux real TTY driver, SCO Unix, SCO OpenServer 5, UnixWare 7, UnixWare 2.1.x, SVR4.2, QNX

Configuration:

Web/Serial/Telnet console, or Windows utility

Power Requirements

Power input: 12 to 48 VDC

Power Consumption: 200 mA @ 12V, 106 mA @ 24V

Power Line protection:

1 KV Burst (EFT), EN61000-4-4

0.5 KV Surge, EN61000-4-5

Mechanical Specifications

Material: Aluminum (1 mm)

Environmental

Operating Temperature:

0 to 55°C (32 to 131°F), 5 to 95% RH

Storage Temperature:

-20 to 85°C (-4 to 185°F), 5 to 95%RH

Regulatory Approvals

EMC:

CE: EN55022 Class A/EN55024

FCC: FCC Part 15 Subpart B, Class A

Safety:

UL: UL60950-1, UL 508

TÜV: EN60950-1

Warranty: 5 years