

NPort® 5200 Series

2-port RS-232/422/485 serial device servers



- > Compact design for easy installation
- > Socket modes: TCP server/TCP client/UDP
- > Easy-to-use Windows utility for configuring multiple device servers
- > Supports 10/100M Ethernet
- > Patented ADDC® (Automatic Data Direction Control) for 2-wire and 4-wire RS-485
- > SNMP MIB-II for network management



Specifications

Ethernet Interface

Number of Ports: 1
Speed: 10/100 Mbps, auto MDI/MDIX
Connector: 8-pin RJ45
Magnetic Isolation Protection: 1.5 kV built-in

Serial Interface

Number of Ports: 2
Serial Standards:
 NPort 5210: RS-232
 NPort 5230: 1 RS-232 port, 1 RS-422/485 port
 NPort 5232/5232I: RS-422/485
Connector:
 NPort 5210: RJ45 (8 pins)
 NPort 5230/5232/5232I: Terminal Block (5 contacts per port)
Serial Line Protection: 2 kV isolation protection (NPort 5232I/5232I-T)

RS-485 Data Direction Control: ADDC® (automatic data direction control)

Serial Communication Parameters

Data Bits: 5, 6, 7, 8
Stop Bits: 1, 1.5, 2
Parity: None, Even, Odd, Space, Mark
Flow Control: RTS/CTS (RS-232 only), DTR/DSR (NPort 5210 only), XON/XOFF
Baudrate: 110 bps to 230.4 kbps

Serial Signals

RS-232:
 NPort 5210: TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND
 NPort 5230: TxD, RxD, RTS, CTS, GND
RS-422: Tx+, Tx-, Rx+, Rx-, GND
RS-485-4w: Tx+, Tx-, Rx+, Rx-, GND
RS-485-2w: Data+, Data-, GND

Software

Network Protocols: ICMP, IPv4, TCP, UDP, DHCP, BOOTP, Telnet, DNS, SNMP V1, HTTP, SMTP, SNTP
Configuration Options: Web Console, Serial Console (NPort 5210/5230 only), Telnet Console, Windows Utility

Windows Real COM Drivers: Windows 95/98/ME/NT/2000, Windows XP/2003/Vista/2008/7/8/8.1 (x86/x64), Windows 2008 R2/2012/2012 R2 (x64), Windows Embedded CE 5.0/6.0, Windows XP Embedded
Fixed TTY Drivers: SCO Unix, SCO OpenServer, UnixWare 7, QNX 4.25, QNX 6, Solaris 10, FreeBSD, AIX 5.x, HP-UX 11i, Mac OS X
Linux Real TTY Drivers: Linux 2.4.x, 2.6.x, 3.x

Physical Characteristics

Housing: Metal
Weight:
 NPort 5210: 340 g
 NPort 5230/5232: 360 g
 NPort 5232I: 380 g
Dimensions:
 NPort 5210/5230/5232:
 Without ears: 67 x 100.4 x 22 mm (2.64 x 3.95 x 0.87 in)
 With ears: 90 x 100.4 x 22 mm (3.54 x 3.95 x 0.87 in)
 NPort 5232I:
 Without ears: 67 x 100.4 x 35 mm (2.64 x 3.95 x 1.37 in)
 With ears: 90 x 100.4 x 35 mm (3.54 x 3.95 x 1.37 in)

Environmental Limits

Operating Temperature:
 Standard Models: 0 to 55°C (32 to 131°F)
 Wide Temp. Models: -40 to 75°C (-40 to 167°F)
Storage Temperature: -40 to 75°C (-40 to 167°F)
Ambient Relative Humidity: 5 to 95% (non-condensing)
Altitude: Up to 2000 m
 Note: Please contact Moxa if you require products guaranteed to function properly at higher altitudes.

Power Requirements

Input Voltage: 12 to 48 VDC
Power Consumption:
 NPort 5210: 325 mA @ 12 V, 190 mA @ 24 V
 NPort 5230: 325 mA @ 12 V, 190 mA @ 24 V
 NPort 5232: 280 mA @ 12 V, 150 mA @ 24 V
 NPort 5232I: 365 mA @ 12 V, 200 mA @ 24 V