

NPort 1220, 1220I

Isolated 2-Port RS-422/485 USB-to-Serial Hub

Features

- Expand to 2 RS-422/485 ports via USB
- Supports 4-wire RS-422/485 and 2-wire RS-485 applications
- Hot plug and play
- Supports bus power and external power
- No additional I/O, IRQ required
- RS-422/485 speed up to 115.2 Kbps
- Supports USB 1.1, full rate speed up to 12 Mbps
- Built-in 16 KV ESD Surge Protection
- Supports 2 KV Isolation (NPort 1220I)



Instant Plug and Play

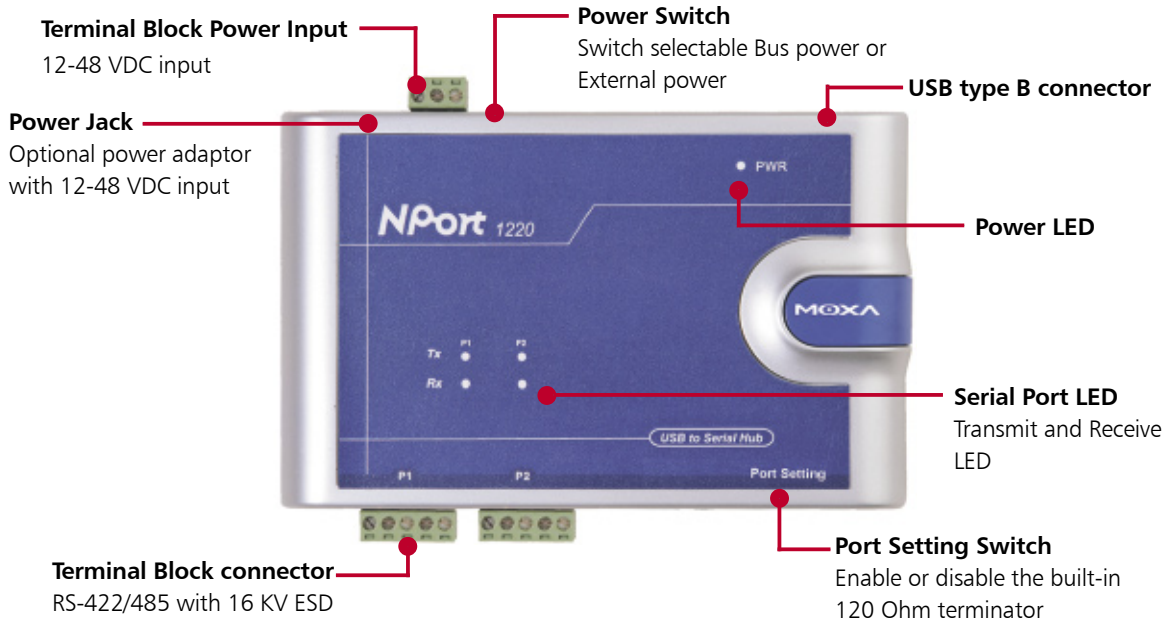
NPort 1220 gives your laptop or workstation the ability to communicate between a USB (Universal Serial Bus) port and up to 2 RS-422/485 serial peripherals. NPort 1220 adds 2

Windows serial COM ports via its USB port, and is compatible with new and legacy RS-422/485 devices.

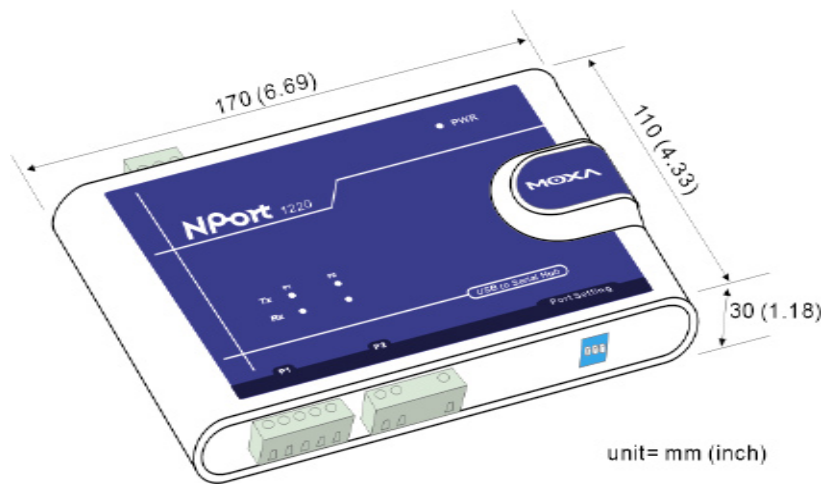
Simplified, Hassle-Free Serial Port Expansion

USB plug and play allows easy serial port expansion and requires no IRQ, DMA, or I/O port resources. Users no longer

need to open the chassis or power down the system, saving on setup time and cost.



Dimensions



Specifications

USB

Compliant with USB 1.1, 1.0

USB 2.0 backwards compatible

Connector: USB type B

Speed: 12 Mbps at full speed

Serial

No. of Ports: 2

Interface:

4-wire RS-422: TxD+/-, RxD+/-, GND

4-wire RS-485: TxD+/-, RxD+/-, GND

2-wire RS-485: Data+/-, GND

Connector: Terminal Block

FIFO: 128 bytes

Serial line protection: 16 KV ESD for all signals

Serial Communication Parameters

Parity: None, Even, Odd

Data bits: 7, 8

Stop bit: 1, 2

Speed: 600 to 115.2 Kbps

RS-485 Data Direction Control: Patented ADDC™
(Automatic Data Direction Control (ADDC™))

Power Requirements

Power Input: 12 to 48 VDC (external) or
5 VDC (Bus power)

Power Consumption: BUS: 140 mA @ 5 VDC
Ext. PWR: 306 mA @ 12 VDC

Mechanical Specifications

Material: ABS

Gross Weight: 220±5g (0.48 lb)

Environmental

Operating Temperature: 0 to 55°C (32 to 131°F)

Storage Temperature: -20 to 75°C (-4 to 167°F)

Operating Humidity: 5 to 95% RH

Regulatory Approvals

EMC: FCC (Class B), CE

Safety: UL, CUL, TÜV

Warranty: 5 years

Ordering Information

NPort 1220: USB to 2-Port RS-422/485 Serial HUB

NPort 1220I: USB to 2-Port RS-422/485 Serial HUB with Isolation

All Items Include:

- 1 USB-to-Serial HUB
- Quick Installation Guide

- Documentation and Software CD-ROM

Optional Accessories:

- DIN-Rail Mounting Kit (35 mm)