



Models: NPORT-1220, NPORT-1220i

USB to Serial Hub

2-Port RS-422/485 USB-to-Serial HUB

Overview

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.

Hassle-free Serial Port Expansion

USB plug and play allows easy serial port expansion that requires no IRQ, DMA, or I/O port resources. Users no longer need to open the chassis or power down the system, saving setup time and cost.

Features

- Expand to 2 RS-422/485 ports through 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 15 KV ESD surge protection
- Supports 2 KV Isolation (NPort 1220i)

Benefits

- Low cost USB-to-serial solution
- Easy to install and use
- Plug and unplug without shutting down your PC

Applications

- Mobile instrumentation
- POS (Point-Of-Sale)

Specifications

USB

Compliance	USB 1.1, 1.0 USB 2.0 backwards compatible
Connector	USB type B
Speed	Full speed 12 Mbps

Serial

Interface	4-wire RS-422: TxD+/-, RxD+/-, GND 4-wire RS-485: TxD+/-, RxD+/-, GND 2-wire RS-485: Data+/-, 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

Power Requirements

Power Input 12 to 48 VDC (external) or 5 VDC (Bus power)
 Power Consumption BUS: 140 mA @ 5 VDC
 Ext. PWR: 155 mA @ 12V
 306 mA @ 12V

Mechanical Specifications

Material ABS
 Gross Weight 215 ± 5 g (0.48 lb)

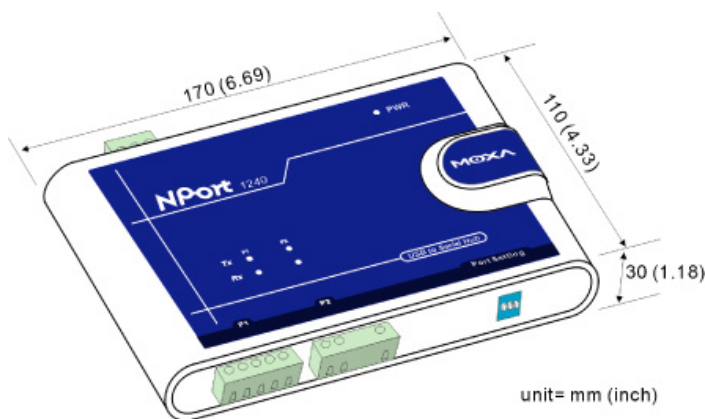
Environmental

Operating Temperature 0 to 55°C (32 to 131°F)
 Storage Temperature -20 to 85°C (-4 to 185°F)
 Operating Humidity 5 to 95% RH

Regulatory Approvals

EMC FCC (Class B), CE (Class B)
 Safety UL, CUL, TÜV

Dimensions



Model:

Description:

NPort-1220.....USB to 2-Port RS-422/485 Serial Hub

NPort-1220i.....USB to 2-Port RS-422/485 Serial Hub w/Isolation

All items include2-port USB-to-serial HUB
 A to B USB cable (50 cm)
 Quick Installation Guide
 NPort Document and Software CD-ROM



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