



NPort Express

Make Your Serial Devices Internet Ready™

Overview

"Everything is networked" is rapidly becoming the norm for enterprises the world over, and to keep pace with the trend of network-based automation, devices must be networked in order to form an automatic data collection system for quality control, production monitoring, or even real-time cost management.

But that doesn't mean your existing equipment and software investment is out of date due to a lack of Ethernet or TCP/IP connectivity. With NPort Express, devices such as CNCs, milling machines, card readers, PLCs, switching machines, measurement instruments, and UPS systems will become powerful tools with network connectivity.

NPort Express supports Windows XP, Windows 95/98/ME, Windows NT, and Windows 2000 native COM drivers, making your existing COM port based application software completely compatible with network-based access.

Features

- Auto-detecting 10/100Mbps Ethernet interface
- 3-in-1 RS-232/422/485 serial interfaces
- Cigarette pack size for easy integration
- Built-in Ethernet and TCP/IP protocol supports Driver Mode, TCP Server, TCP Client, UDP Server/Client, Ethernet Modem, Pair connection
- Supports Windows Native COM drivers with automatic network connection recovery
- Supports Linux fixed/real tty drivers
- RS-485 supports ADDC™ (Automatic Data Direction Control) intelligence

Benefits

- Turn any serial device into a network device instantly.
- Easy integration with any serial device, such as personal identification devices, CNCs, PLCs, switches, UPS systems, and Medical/Physical/Chemical instruments.
- Preserve your investment by instantly turning serial devices into Internet devices that run on your existing software.
- Extremely low transition cost.

Applications

- Entrance control, security/attendance management
- Manufacturing automation
- Telecom and fiber optic network management
- Industrial control and process control
- Hospital/Laboratory automation
- Remote image transmission



DIN Rail mountable

Ports Interface	1	2	4	8	16	32
RS-232	√					
RS-422	√					
RS-485	√					

Specifications

Hardware

Processor	16 bit processor
Memory	512 KB
Connector	Female DB9

Interface

LAN	Auto-detecting 100Base-TX (10/100 Mbps)
Serial	RS-232/422/485 DIP switch selectable
No. of serial ports	1
Signals	RS-232: TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND RS-422: TxD+/-, RxD+/-, RTS+/-, CTS+/-, GND RS-485: Data+, Data-, GND

Performance

Speed	50 bps – 230.4 Kbps
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Configuration

Parity	None, even, odd
Data bits	7, 8
Stop bits	1, 2 (only "None" parity)

OS Supported

DE-311	Windows XP, Windows 2000, Windows NT, Windows 95/98/ME, Unix fixed tty driver for UnixWare SVR4.2, UnixWare 7 SVR5, SCO Open Server, SCO UNIX, Linux fixed tty for 2.0.x, 2.2.x, 2.4.x Linux real tty for 2.0.36 above, 2.2.x, 2.4.x (Intel x86, running TCP/IP)
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Protocols

TCP, IP, UDP, Telnet, RTelnet, DHCP, ICMP

Operation Modes

Driver Mode, TCP Server, TCP Client, UDP Server/Client, Ethernet Modem, Pair Connection

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Management

DE-311	Serial console Telnet console
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Windows Utility

DE-311	Setup program, Manager, Monitor, Firmware Upgrade
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Power and Environment

Power requirements	DC 9V to 20V, 400 mA at 9V
Operating temp.	0 – 55°C
Operating Humidity	5 – 95%RH
Storage Temp.	-20 – 85°C
Dimensions	90 x 100.4 x 22 mm (W x D x H, including ears) 67 x 100.4 x 22 mm (W x D x H)
Surge protection	15 KV ESD protection for serial port
Magnetic isolation	1.5 KV for Ethernet
Regulatory approvals	FCC, CE, UL, CUL, TÜV

Ordering Information

DE-211 - Bestil varenr. ETH1SER+
 DE-311 - Bestil varenr. ETH1SER-UNI

