

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 networked-based automation, your 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But that doesn't mean your existing equipment and software investment is out of date due to a lack of Ethernet or TCP/IP connectivity.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 will become powerful tools with network connectivity.

NPort Express supports Windows 95/98/ME, Windows NT, and Windows 2000 native COM drivers, so that your existing COM port based application software will be completely compatible.

Features

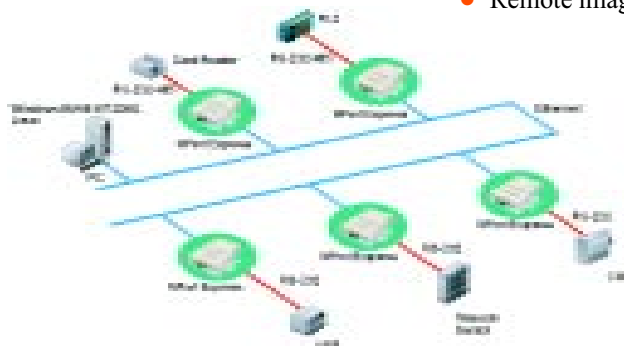
- Compact size
- Auto-detecting 10/100 Mbps Ethernet interface
- 3-in-1 interface supports RS-232/422/485
- Provide security mechanism to prevent from unauthorized access
- Supports all Windows Native COMs and Linux fixed tty drivers
- Complete Ethernet and TCP/IP protocol
- RS-485 supports ADDC (Automatic Data Direction Control) Intelligence
- Automatic network connection recovery
- Support PComm library for easy programming

Benefits

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

Applications

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



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

Specifications

Hardware

Processor	16 bit CPU
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+, TxD-, RxD+, RxD-, RTS+, RTS-, CTS+, CTS-, GND RS-485: Data+, Data-, GND

Performance

Speed	50 bps - 230 Kbps
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Configuration

Parity	None, even, odd
Data bits	7, 8
Stop bits	1, 2 (None Parity Only)

OS Supported

DE-311	Windows 2000, Windows NT, Windows 95/98/ME, Unix fixed tty for Unix Ware SVR4..2, UnixWare 7 SVR5, SCO Open Server, SCO UNIX, Linux 2.2.x, 2.0.x
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Protocol

DE-311	TCP, IP, UDP, Telnet, RTelnet, DHCP, ICMP
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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(max.)
Operating temp.	0-55°C
Dimensions	90 x 100.4 x 22 mm (W x D x H)
Regulatory approvals	FCC, CE, UL, C/UC, TUV

Ordering Information

DE-311/110V	1 port RS-232/422/485 device server
DE-311/230V	1 port RS-232/422/485 device server
All items include	Windows 2000, Window NT, Windows 95/98/ME, Linux, UNIX device drivers and manual Power adapter

Optional

DIN Rail mouting kit (35 mm)
