



[Zoom in Picture](#)

■ Features

- Can control 4 x RS422/485 devices located virtually anywhere (via Ethernet or Internet)
- Provide unlimited number of RS422/485 ports (only limited by system restriction, 256 max. per Windows NT/2000 host, 128 max. per Windows 95/98/ME host)
- Auto-detecting 10/100Mbps Ethernet interface
- Built-in human interface with Liquid Crystal Module (LCM) and buttons for setting up the server and displaying server status
- Industrial-strength, highly reliable at all ports with surge protection 15kV ESD
- Capability for hot-swap, easy maintenance
- RS485 Automatic Data Direction Control (ADDC)
- Provide pair-connection mode and host-based mode
- No host reboot required after adding new NPort Server Lite
- Support Windows NT/2000, Windows 95/98/ME
- Support DHCP
- Self diagnostic and report
- Software selectable RS422/485 interface

Nport Server 5430

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■ Overview

NPort Server 5430 is an industrial-strength network-based serial device server for connecting up to four RS422/485 devices like CNCs, PLCs, weighing scales, scanners and other devices directly to the 10/100Mbps Ethernet network running TCP/IP.

Through the revolutionary built-in human interface with Liquid Crystal Module (LCM) for display data/status and buttons for inputting data or selecting mode, you can easily set up the server, such as IP address, net mask and gateway, and monitor the server status and data transmission. Eliminate the need to prepare additional PCs during installation.

In addition to allowing serial devices to get networked, any host (PC Server or Workstation) without network access can also access remote serial device via adding NPort Server Lite to the existing serial port. In other word, a pair of 1-port NPort Server can be configured over Ethernet and serve as a transparent serial channel without platform and distance limitation.

■ Applications

- SCADA system
- Building automation system
- Self-service banking system
- Other remote and distribute serial devices control
- Industrial / Factory / Laboratory automation
- Automatic warehouse control system
- Wafer fabrication system
- Retail system

■ Hardware

Processor	80186
I/O controller	16C550C or compatible

Memory	512K bytes
Connector type	Terminal block

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■ Interface

LAN interface	Auto-detecting 10BaseT/100BaseT
Protocols	TCP/IP, UDP, Telnet, Rtelnet, DHCP, ICMP, BootP, DNS, SMTP, NTP
Serial interface	RS422/485
No. of port	4
Signals	RS422 TxD+/-, RxD+/-, RTS+/-, CTS+/-, GND RS485 Data+/-, GND

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■ Performance

Speed	50 - 230.4Kbps
Max. no. of ports	256 per Windows NT/2000/XP, 128 per Windows 95/98/ME
Protocols	TCP/IP, ICMP, UDP, DHCP, BootP, Telnet, SNMP, HTTP, SMTP, NTP
Flow Control	RTS/CTS, Xon/Xoff only RS232 Version

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■ Configuration

Parity	None, even, odd, space, mark
Data bits	5, 6, 7, 8
Stop bits	1, 1.5, 2
IRQ	Nil
I/O address	Nil
Server Configuration	via Web Browser Serial console Telnet console LCM Display with 4 push buttons Windows Utility

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■ Power and Environment

Operation temp.	0°C - 55°C
Surge Protection	15kV ESD
Operating humidity	5% - 95%
Power requirments	Power input 12 to 48V AC Terminal block
Power Consumption	380mA at 12V
Special	Built-in Buzzer Built-in Real time clock Built-in Watch dog

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■ Operating Systems supported

Real Com Drivers	WIN95/98/ME/NT/2K/XP
Real TTY Drivers	for Linux
Utilities	Nport Administrator for Win95/98/ME/NT/2K/XP
Dimension	164 x 105 x 33mm (wxdxh)

■ Safety

EMC FCC Class A, CE Class A
UL, CUL, TÜV

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■ Ordering Information

Art.No 752

Product Name NPort 5430

Packing list

NPort Server 5430
CD, English documentation
PComm Pro - professional serial comm developing tool (CD)
Cross-wired 10/100 Mbps Ethernet Cable
Optional DIN RAIL mounting KIT 35mm with 4 screws
Two attachment plates with 6 screws

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■ Full size product image

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