



[Zoom in Picture](#)

### ■ Features

- Can control 4 x RS232/422/485 devices located virtually anywhere (via Ethernet or Internet)
- 2KV Isolation
- 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 5450i

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### ■ Overview

NPort Server 5450 is an industrial-strength network-based serial device server for connecting up to four RS232/422/485 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 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

<b>I/O controller</b>	16C550C or compatible
<b>Memory</b>	512K bytes
<b>Connector type</b>	DB9 male

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## ■ Interface

<b>LAN interface</b>	Auto-detecting 10BaseT/100BaseT
<b>Protocols</b>	TCP/IP, UDP, Telnet, Rtelnet, DHCP, ICMP, BootP, DNS, SMTP, NTP
<b>Serial interface</b>	4 x RS232/422/485
<b>No. of port</b>	4
<b>Signals</b>	RS232 TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND RS422 TxD+/-, RxD+/-, RTS+/-, CTS+/-, GND RS485 Data+/-, GND

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## ■ Performance

<b>Speed</b>	50 bps - 921.6Kbps
<b>Max. no. of ports</b>	256 per Windows NT/2000/XP, 128 per Windows 95/98/ME
<b>Protocols</b>	TCP/IP, ICMP, UDP, DHCP, BootP, Telnet, SNMP, HTTP, SMTP, NTP
<b>Flow Control</b>	RTS/CTS, Xon/Xoff

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## ■ Configuration

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

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## ■ Power and Environment

<b>Operation temp.</b>	0°C - 55°C
<b>Surge Protection</b>	15kV ESD 2KV Isolation
<b>Operating humidity</b>	5% - 95%
<b>Power requirements</b>	Power input 12 to 48V AC Terminal block
<b>Power Consumption</b>	350mA @ 12V
<b>Special</b>	Built-in Buzzer Built-in Real time clock Built-in Watch dog

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## ■ Operating Systems supported

<b>Real Com Drivers</b>	WIN95/98/ME/NT/2K/XP/2003/Vista
<b>Real TTY Drivers</b>	for Linux

## Utilities

Nport Administrator for Win95/98/ME/NT/2K/XP/2003/Vista

## Dimension

158 x 104 x 33mm (wxdxh)

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## ■ Safety

### EMC

FCC Class A, CE Class A  
UL, TÜV

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## ■ Ordering Information

### Art.No

4710

### Product Name

NPort 5450i

### Packing list

NPort 5450i Serial Device Server  
Quick Installation Guide  
NPort Document and Software CD-ROM  
Power Jack to Terminal Block Power Cable

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## ■ Optional Accessories

### [DK 35A](#)

DIN-Rail mountig kit

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## ■ Full size product image



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