



[Zoom in Picture](#)

■ Features

- Can control 1 x RS232 devices located virtually anywhere (via Ethernet or Internet)
- Provide unlimited number of RS232 or 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
- 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

DE-301 NPort Server Lite

[Quick Link:](#) | [Features](#) | [Overview](#) | [Applications](#) | [Hardware](#) | [Interface](#) | [Performance](#) | [Configuration](#) | [Power and Environment](#) | [Operating Systems supported](#) | [Ordering Information](#) |

■ Overview

NPort Server Lite is an industrial-strength network-based serial device server for connecting up to four RS232 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 Lites 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	DB9 male

■ Interface

LAN interface	Auto-detecting 10BaseT/100BaseT
Protocols	TCP/IP, UDP, Telnet, Rtelnet, DHCP, ICMP
Serial interface	RS232
No. of port	1
Signals	TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND

[>Back to top](#)

■ Performance

Speed	50 - 230.4Kbps
Max. no. of ports	256 per Windows NT/2000/XP, 128 per Windows 95/98/ME

[>Back to top](#)

■ 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
Operation Modes	Driver Mode, TCP Server/Client, UDP Server/Client, Pair connection

[>Back to top](#)

■ Power and Environment

Operation Temp.	0°C - 55°C
Storage Temp.	-20°C - 85°C
Power requirements	9-30V DC, 1.05A/9V
Surge Protection	15kV ESD
Operating humidity	5% - 95%

[>Back to top](#)

■ Operating Systems supported

Operating systems	XP, Windows NT/2000 and Windows 95/98/ME (running TCP/IP)
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[>Back to top](#)

■ Ordering Information

Art.No	775
Product Name	DE-301 NPort Server Lite DE-301 NPort Server Lite Power Adapter
Packing list	CD, English documentation PComm Pro - professional serial comm developing tool (CD) Cross-wired 10/100 Mbps Ethernet Cable Two attachment plates with 6 screws
Optional	DIN RAIL mounting KIT 35mm with 4 screws

[>Back to top](#)

■ Full size product image



[>Back to top](#)