



[Zoom in Picture](#)

■ Features

- Make your serial devices Internet ready
- Versatile socket operating modes, including TCP Server, TCP Client, UDP, Pair Connection and Real COM driver
- 2- or 4-wire RS-485 with patented ADDC (Automatic Data Direction Control)
- 2 KV isolation
- Built-in Ethernet Cascading ports for easy wiring
- Redundant dual DC power inputs
- Warning by relay output and E-mail
- 10/100BaseTX
- IP30

Nport IA5150i

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

■ Overview

NPort IA device servers deliver easy and reliable serial-to-Ethernet connectivity for the industrial automation market. NPort IA device servers can be used to connect any serial device to an Ethernet network, and provide TCP Server, TCP Client, and UDP modes to ensure the compatibility of network software. NPort IA device servers are an ideal choice for connecting RS-232/422/485 serial devices, such as PLCs, sensors, meters, motors, drives, barcode readers, and operator displays to a network. All NPort IA models have a compact and rugged DIN-Rail mountable casing.

Built-in Ethernet cascading ports for easy wiring (RJ45 only)

Each NPort IA device server has two Ethernet ports for easy wiring. The ports are used to cascade two or more NPort IA device servers by connecting from one server to another with a standard RJ45 Ethernet cable. The cascading feature eliminates the need to connect each device server to an Ethernet switch.

Redundant Power Inputs

NPort IA device servers have dual power inputs that can be connected simultaneously to live DC power sources. If one of the power inputs fails, the other live source acts as a backup to support NPort IA device server's power needs automatically. The redundant dual DC power inputs give you extra assurance of non-stop operation.

Warning by Relay Output and e-mail

The built-in relay output function helps you to know the Ethernet link and power input status, and lets you check the web console to know which power or Ethernet link has failed. NPort IA can also send out a warning when an exception is detected. The relay output and E-mail warning function gives maintenance engineers a valuable tool for reacting promptly to emergency situations.

■ Applications

- SCADA system
- Industrial / Factory / Laboratory automation
- Telecom System
- Building automation system
- Access control
- Banking system
- Remote site management

■ Hardware

Connector typeDB9 male (RS232)
5-pin Terminal Block (RS422/485)[>Back to top](#)**■ Interface****LAN interface**

2 x 10/100BaseTX (RJ45)

ProtocolsICMP,IP,TCP,UDP,DHCP,BOOTP,Telnet,Rtelnet,
DNS,SNMP,HTTP,SMTP,SNTP,ARP**Serial interface**

RS232/422/485

No. of port

1

SignalsRS232 TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND
RS422 TxD+/-, RxD+/-, RTS+/-, CTS+/-, GND
RS485 Data+/-, GND[>Back to top](#)**■ Performance****Speed**

110 bps - 230.4Kbps

Max. no. of ports

256 per Windows NT/2000/XP, 128 per Windows 95/98/ME

Flow Control

RTS/CTS, Xon/Xoff

[>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

Server ConfigurationWeb Browser
Serial console
Telnet console
Windows Utility[>Back to top](#)**■ Power and Environment****Operation temp.**

0°C - 55°C

Surge Protection15kV ESD
2KV Isolation**Power requirements**

Power input 12 to 48V DC (Redundant dual power inputs)

Power Consumption

420mA @ 12V

Special

- RS485 Automatic Data Direction Control ADDC
- Built-in Buzzer
- Built-in Real time clock
- Built-in Watch dog

[>Back to top](#)**■ Operating Systems supported****Real Com Drivers**

WIN95/98/ME/NT/2K/XP/2003/Vista

Real TTY Drivers

for Linux

Utilities

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

Dimension 29(w)x118.5(d)x89.2(h)

Casing IP30

[>Back to top](#)

■ Safety

EMC FCC Class A, CE Class A
UL, TÜV

[>Back to top](#)

■ Ordering Information

Art.No 4721

Product Name Nport IA5150I

Packing list

NPort IA5150I Serial Device Server
Quick Installation Guide
NPort Document and Software CD-ROM

[>Back to top](#)

■ Full size product image



[>Back to top](#)