



[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)
- Built-in Ethernet Cascading ports for easy wiring
- Redundant dual DC power inputs
- Warning by relay output and E-mail
- 10/100BaseTX
- IP30

# Nport IA5150

[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 type**DB9 male (RS232)  
5-pin Terminal Block (RS422/485)[>Back to top](#)**Interface****LAN interface**

2 x 10/100BaseTX (RJ45)

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

RS232/422/485

**No. of port**

1

**Signals**RS232 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 Configuration**Web Browser  
Serial console  
Telnet console  
Windows Utility[>Back to top](#)**Power and Environment****Operation temp.**

0°C - 55°C

**Surge Protection**

15kV ESD

**Power requirements**

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

**Power Consumption**

360mA @ 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

4720

Product Name

Nport IA5150

Packing list

NPort IA5150 Serial Device Server  
Quick Installation Guide  
NPort Document and Software CD-ROM

[>Back to top](#)

## ■ Full size product image



[>Back to top](#)