

## NP304 Series

### 4-Port RS-232/485/422 to Ethernet Serial Server

#### Features

1. Adopt 32 bit ARM processor, 125 DMIPS manage ability
2. 4 serial ports, with support for RS-232/RS-485/RS-422
3. Support 10/100M Ethernet
4. Support 300bps-460.8Kbps
5. Support TCP, UDP, ARP, ICMP, HTTP, TELNET and DHCP protocol
6. Support across gateway, router communication
7. Support standard TCP/IP SOCKET
8. Support Virtual serial driver access and auto connect after the network disconnect
9. Choice of configuration methods: Windows, TELNET and WEB



#### Introduction

NP304 series can conveniently connect up to 4 serial devices to an Ethernet, allowing you to network your existing serial devices with only basic configuration. With NP304 series, you can both centralize the management of your serial devices, and distribute management hosts over the network.

NP304 series can be used to connect different devices for remote management, each serial port operates independently to provide maximum versatility, each port can be operate in Driver, TCP Server, and TCP Client mode independently.

#### Specification

##### Ethernet

Number of ports:1  
 Standard:10/100Base-T(X)  
 Speed:10/100M auto-sensing  
 Working mode: half /full duplex  
 Working: TCP Server, TCP Client, UDP and Real COM driver  
 Memory: Most 32Kbyte  
 Transmission: 100m  
 Electromagnetism isolate: 1KV  
 Connector: RJ45

##### Serial

Standard: RS-232/RS-485/RS-422  
 Number of ports:4  
 Signals: RS-232:DCD,RXD,TXD,DTR,GND,DSR,RTS,CTS  
           RS-485:Data+,Data-,GND  
           RS-422:TXD+,TXD-,RXD+,RXD-,GND  
 Parity: None, Even, Odd, Space, Mark  
 Data bits: 5bit, 6bit, 7bit, 8bit  
 Stop bits: 1, 1.5, 2  
 Baud rate: 300bps ~ 460.8Kbps

Flow control: RTS/CTS or XON/XOFF  
 Direction control: RS485 side adopt ADDC technology, auto text and control data transfer direction  
 Loading: RS-485/422 side support 32 nodes (customize 128 nodes) loopback  
 Transmission: RS-485/422 side 1200M, RS-232 port 15M  
 Interface protection: 1500W surge protection, 15KV ESD protection

##### Software

Network protocols: Support TCP, UDP, ARP, ICMP, HTTP, TELNET and DHCP  
 Driver support: Windows Real COM driver (Windows NT/2000, Windows XP/2003)  
 Configuration options: Windows, TELNET and WEB

##### Power

Power input: 5VDC  
 Consumption: <1W

##### Environment

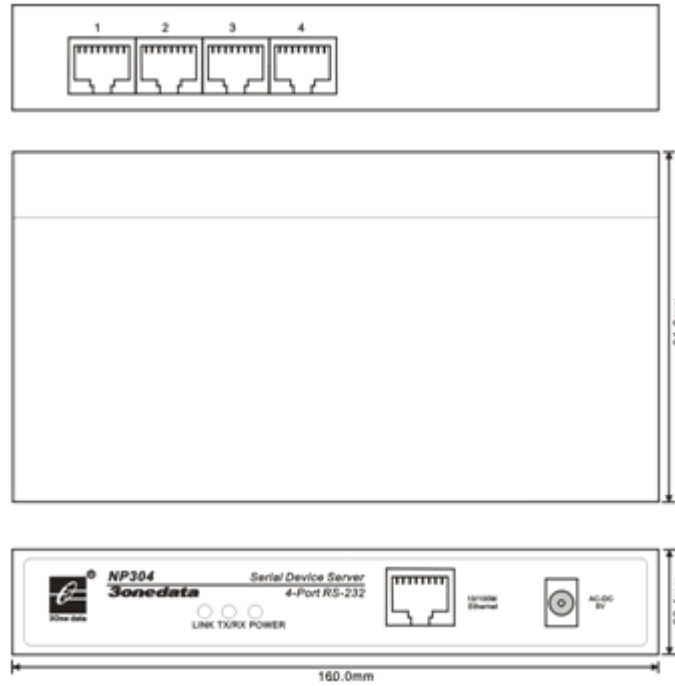
Working temperature:-20°C~60°C



Storage temperature: -25°C~85°C  
Humidity: Relative humidity 5% to 95%  
**Appearance**  
Color: Black  
L×W×H: 160.0mm×91.2mm×30.4mm

Material: Iron (Shell)  
Weight: 240g  
**Warranty: 5 years**  
**Approvals: FCC, CE, RoHS approvals**

## Dimension



## Ordering Information

- NP304** 4-port RS232 to Ethernet(10M/100M), DC5V, wall mounting  
**NP304-2M** (2-port RS232+2-port RS485/422) to Ethernet(10/100M), DC5V, wall mounting  
**NP304-4M** 4-port RS485/422 to Ethernet(10M/100M), DC5V, wall mounting

## Packing List

1. NP304 series × 1
2. User manual × 1
3. Straight network cable × 1
4. Software CD-ROM
5. Product Warranty booklet