

## NP301B

### 1 Port RS-232/485/422 to Ethernet Serial Server (10/100M)

#### Features

1. 3-in-1 RS-232/RS-485/RS-422 serial interface
2. Support 10/100M auto-sensing Ethernet
3. Support 300bps~115.2Kbps
4. Support TCP, UDP, ARP, ICMP, HTTP and DHCP protocol
5. Support across gateway, router communication
6. Support standard TCP/IP SOCKET
7. Support Virtual serial driver access and auto connect after the network disconnect
8. Provide bath installation Windows configure tool
9. Choice of configuration methods: Windows, TELNET and WEB



#### Introduction

NP301B is a serial device server which can connect with network fast. it provides one RS-232/485/422 (RS-232: DB9M; RS-484/422: 4 bits terminal block) and 1 10/100Base-T(X) Ethernet port, it can manage the disperse serial device or host computer by network, easily and convenience. setting or software upgrade by serial program group in apply, support TCP, UDP, ARP, ICM and DHCP protocol, support Windows Native COM and auto-connect function once the network

intermit.

In addition, NP301B provide the management collocate tools that based Windows flat roof. it can lead the user manage and configure facility step by step, all of the setting can be done by network or serial. Support pass gateway and router, easily for user to set IP address, Server and Client mode, size of data and so on, Can realize the serial device connect with network by simply setting.

#### Specification

##### Ethernet

Standard: 10/100Base-T(x)  
 Speed: 10/100M auto-sensing  
 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  
 Signals: RS-232: DCD, RXD, TXD, DTR, GND, DSR, RTS, CTS  
           RS-485: Data+, Data-, GND  
           RS-422: TXD+, TXD-, RXD+, RXD-, GND  
 Working mode: Asynchronous format, point to point, 2 wires half duplex, 4 wires full duplex  
 Parity: None, Even, Odd, Space, Mark  
 Data bits: 7bit, 8bit

Baud rate: 300bps ~ 115.2Kbps  
 Flow control: RTS/CTS  
 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 and DHCP  
 Driver support: Windows Real COM driver (Windows NT/2000, WindowsXP/2003)  
 Configuration options: Windows, TELNET and WEB

##### Power



Power input: 12~36VDC

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: 100mm×69mm×22mm

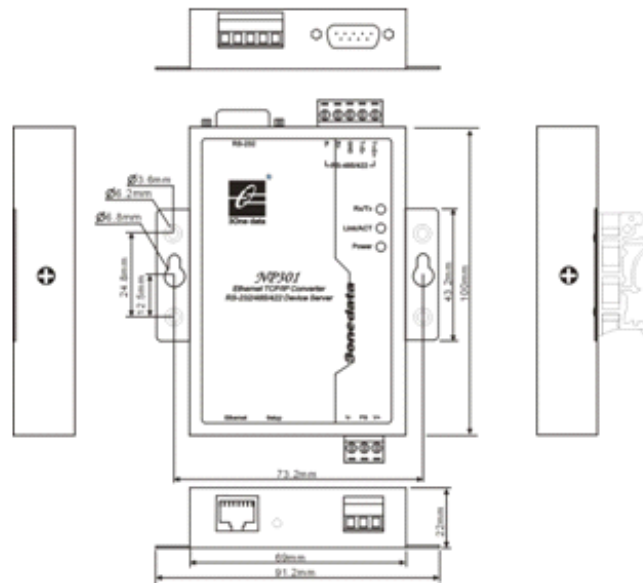
Material: Iron (Shell)

Weight: 240g

**Warranty: 5 years**

**Approvals: FCC, CE, RoHS approvals**

## Dimension



## Packing List

1. NP301B (plus terminal block) × 1
2. User manual × 1
3. Straight network cable × 1
4. Software CD-ROM
5. Product Warranty booklet

### Optional accessories:

- DIN-Rail Mounting Kit (35mm) × 1