NP301

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

Features

- 3-in-1 RS-232/RS-485/RS-422 serial interface
- Support 10/100M auto-sensing Ethernet
- Support 300bps～115.2Kbps
- Support TCP, UDP, ARP, ICMP, HTTP and DHCP protocol
- Support across gateway, router communication
- Support standard TCP/IP SOCKET
- Support Virtual serial driver access and auto connect after the network disconnect
- Provide bath installation Windows configure tool
- Choice of configuration methods: Windows, TELNET and WEB
- Support DIN-Rail or wall mounting installation
- Working temperature: -40～75℃



Introduction

The product NP301 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 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, the products 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: 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: 5bit, 6bit, 7bit, 8bit

Stop bits: 1bit, 1.5bit, 2bit

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) loop back

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/2003/7/8)

Configuration options: Windows, TELNET and WEB

Power

Power input: 9~48VDC

No-load consumption: 1.33W@9VDC

Full-load consumption: 1.48W@9VDC

Environment

Working temperature:-40°C～75°C

Storage temperature:-40°C～85°C

Humidity: Relative humidity 5% to 95%

Appearance

Color: Black

L×W×H: 100mm×69mm×22mm

Material: Iron (Shell)

Weight: 240g

Standard

EMI: FCC Part 15, CISPR (EN55022) class A

EMS: EN 61000-4-2 (ESD) Level 4

EN 61000-4-3 (RS), Level 2

EN 61000-4-4 (EFT), Level 3

EN 61000-4-5 (Surge), Level 2

EN 61000-4-6 (CS), Level 2

Shock: IEC 60068-2-27

Free fall: IEC 60068-2-32

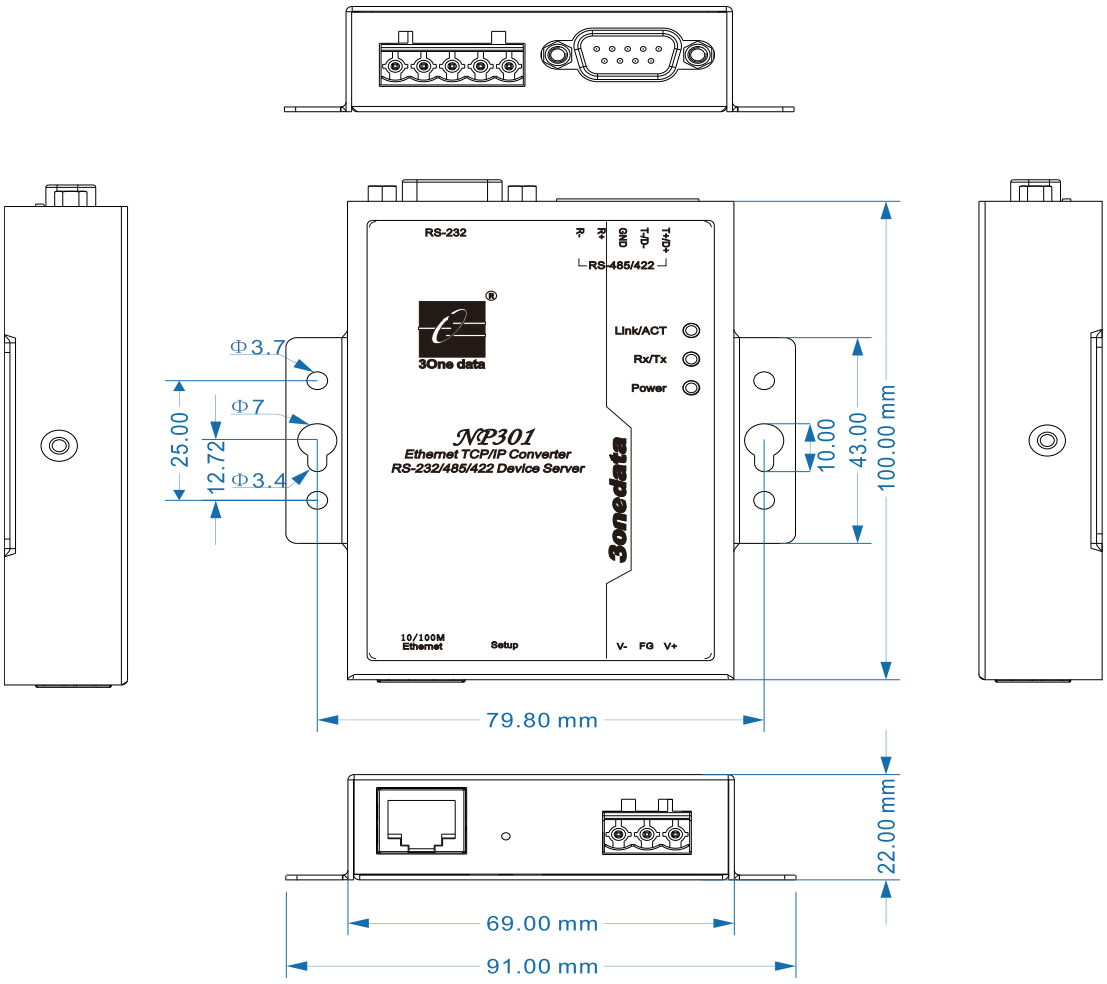
Vibration: IEC 60068-2-6

Warranty: 3 years

Approvals: FCC, CE, RoHS approvals

Dimension

Unit:mm



Packing List

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

Optional accessories:

DIN-Rail Mounting Kit (35mm) × 2