3onedata

Your Serial and Data Communications Expert

> > **Serial Device Servers**

NP301

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

Features

1. Adopt 32 bit ARM processor
2. Support 3-in-1 RS-232/RS-485/RS-422 serial interface
3. Support 10/100M
4. Support 300bps-115.2Kbps
5. Support TCP, UDP, ARP, ICMP, HTTP and DHCP protocol
6. Support across gateway, router communication
7. Support standard TCP/IP SOCKET
8. Support Windows serial interface driver mode
9. Support Virtual serial driver access and auto connect once the network disconnect
10. Support network and serial interface configuration mode
11. Low consumption design
12. Support DIN-Rail or wall mounting installation
13. Working temperature: -40～75℃

Introduction

NP301 serial device server is designed to make your serial devices internet ready instantly. It provides 1 port RS232/485/422 (RS232, DB9M; RS485/422, 5 bit terminal block) and 1 port 10/100Base-T(X).It makes them ideal choice for connecting decentral serial devices and Host computer to an IP based Ethernet, making it easily and conviniently for your management. Its software can be setting and updating by serial program group in the application. It supports TCP, UDP, ARP, ICMP, DHCP and Windows Native COM, LLF functions.

What's more, NP301 serial devices server provides powerful management configuration tools based on Windows, guiding users' configuration of the devices step by step. All configurations can be done by network and serial port, supporting communication across gateway and router. In addition, it allows users to configurate flexibly IP address, Server or Client mode, size of packet, etc.

NP301 serial device sever is designed with EMC protection, and power supply have overcurrent and overvoltage protection. These make it woking stably in hazardous environment.

Easy wall and DIN-Rail mounting.

Specification

LAN:

    Standard: 10Base-T，100Base-TX

    Protocol: Support　TCP, UDP, APR, ICMP and DHCP protocol

    Signal: Rx+,Rx-,Tx+,Tx-

    Speed: 10/100Mbps

    Working: Full-duplex and half-duplex

    Working mode: Support Server and Client

    Transmission; 100m

    Protection: 1.5KV ESD

    Connector: RJ45

Serial Interface:

    Serial interface number: 1 port RS-232,1 port RS-422/485

    RS-232 signal: TXD,RXD,RTS,CTS,DTR,DSR,GND

    RS-422 signal: T+（A）,T-(B),R+(A),R-(B),GND

RS-485 signal: D+（A）,D-(B),GND

Parity bit: None,Even,Odd,Space,Mark

Data bit: 5bit,6bit,7bit,8bit

Baud rate: 300bps～115200bps

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 static protection

Interface type: RS-232 side DB9 male，RS-485/422 side 5 bit terminal block

Power:

Power input: 9~48VDC

Consumption: Approx 1.4W

Environment:

Operating Temperature: -40 to 75°C

Storage Temperature: -40 to 85 °C

Relative Humidity: 5% to 95% (non-condensing)

Appearance:

Color: Black and Blue

L×W×H: 100mm×69mm×22mm

Material: Iron（Shell）

Weight: 530g

Dimension