NP302T-2D (RS-485)

2-Port RS-485/422 to Ethernet (10/100M)

Serial Device Servers

Features

- Support 10/100M Ethernet
- Support 2 Port RS-485/422
- Supports 300bps~115200bps non-blocking communication
- Supports TCP, UDP, ARP, ICMP, HTTP, DNS and DHCP protocols
- Supports TCP Server, TCP Client, UDP Server, UDP Client, UDP Multicast, UDP Rang, Pair Slave, Pair Master and Real Com working mode
- Supports cross-gateway and cross-router communication
- Supports the polling mode and FIFO function
- Supports delimiter matching communication
- Compatible with a variety of virtual serial port management software
- Supports for standard TCP/IP SOCKET application access
- Supports Windows serial driver mode
- Supports virtual serial COM port access
- Supports network interruption automatic recovery
- Provides easy-to-use, configurable Windows configuration tools
- for bulk installation
- Supports WEB and serial port and other forms of configuration
- Industrial grade design, IP30 protection grade
- No fan, low consumption design
- Working temperature: -40～75℃



Introduction

NP302T-2D (RS-485) is a high performance, industrial grade serial to Ethernet server, it can satisfy some kinds of customer requirements in consumption, temperature, volume and handle ability. It provides 2 port RS-485/422(RS-485/422 connector: 5 bit terminal block) and 1 port 10/100Base-Tx Ethernet, can focus manage disperse serial device, master through network, easy, convenience. In application, can configure, upgrade through WEB.

Moreover, NP302T-2D (RS-485) provide strong function configuration tools based in Windows platform, it can guide user configure the device step by step, all configurations are coming true by WEB or Telnet, support cross-gateway and cross-router, user can flexible configure IP address, server and client mode, data bag size etc.

NP302T-2D (RS-485) adopts EMC protection design, can work in rugged environment.

Specification

Ethernet port

Standard: 10Base-T, 100Base-TX

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

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

Speed: 10/100Mbps

Working: Full-duplex and half duplex

Working mode: Support TCP Server and Client

Transfer distance: 100m

Connector: RJ45

RS-485/422 port

RS-485 /422 port number: 2

RS-485 signal: D+, D-, GND

RS-422 signal: T+, T-, GND, R+, R-
Parity bit: None, Even, Odd, Space, Mark
Data bit: 5bit, 6bit, 7bit, 8bit
Stop bit: 1bit, 1.5bit, 2bit
Band rate: 300bps～115200bps
Loading: support 32 nodes loop back
Transfer distance: 1200m
Connector: terminal block
Protection: class 3 static

LED Indicator

Power (PWR)
Ethernet port connect statue (Link)
RS-485/422 port data indicator: TX, RX

Power requirements

Input voltage: 9~48VDC
No-load consumption: 0.89W@12VDC
Full-load consumption: 0.93W@12VDC

Environment limits

Working temperature: -40~75℃
Storage temperature: -40~85℃
Relative humidity: 5%~95%（non-condensing）

Mechanical

Shell: IP30 protection, metal shell
Installation: Wall mounting
Weight: 238.6g
Size (L×W×H): 100mm×69mm×22mm

Standard

EMS: EN 61000-4-2 (ESD), Level 3
Shock: IEC 60068-2-27
Free fall: IEC 60068-2-32
Vibration: IEC 60068-2-6

Warranty

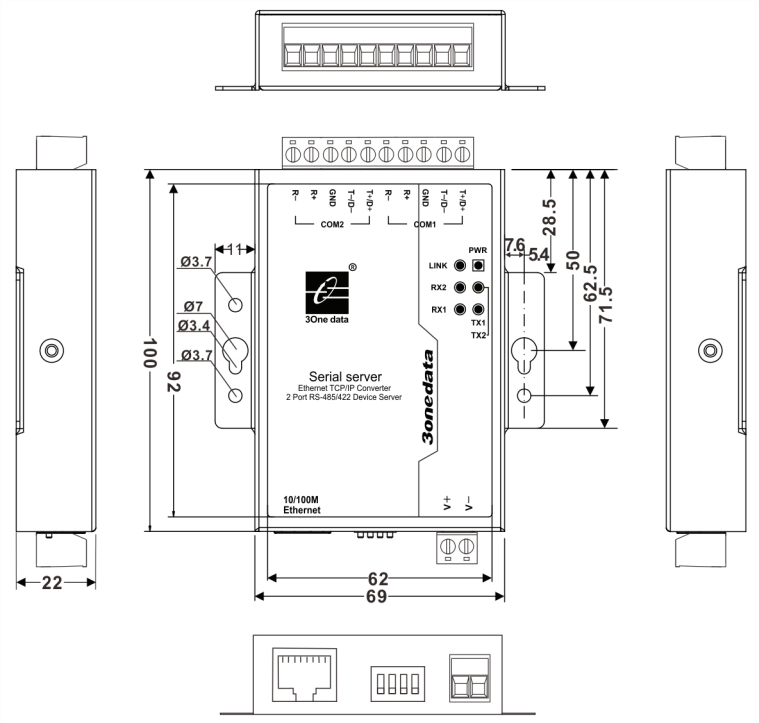
Warranty time: 3 years

Certificates

CE, FCC, RoHS, UL508 (pending)

Dimension

Unit：mm



Ordering Information

NP302T-2D (RS-485)	2-port RS-485/422 to Ethernet (10M/100M), DC9~48V, wall mounting

Packing List

1. NP302T-2D(RS-485)× 1
2. User manual × 1

3. Straight network cable × 1
4. Power adapter × 1
5. CD × 1
6. Warranty card × 1
7. Certificate of quality × 1

Optional accessories:

DIN-Rail Mounting Kit (35mm) × 2