NP302T-2D (RS-485)

2-Port RS-485/422to Ethernet Serial Server

Features

◎ Support 10/100M Ethernet

◎ Support 2 Port RS-485/422

◎ Support WEB and Telnet configuration

◎ Support TCP, UDP, ARP, ICMP, DHCP and DNS protocol

◎ Support TCP Server, TCP Client, TCP Auto, UDP and
   Real COM driver working mode

◎ Support UDP multicast and UDP subnet mode

◎ Support heartbeat time and time over disconnect function

◎ Support cross-gateway and cross-router communication

◎ Support virtual serial COM port access and Network interruption automatic recovery

◎ Provide Windows configuration tools for easy to use, easy to bath install.

◎ Industrial grade design, IP30 protection grade

◎ No fan, low consumption design
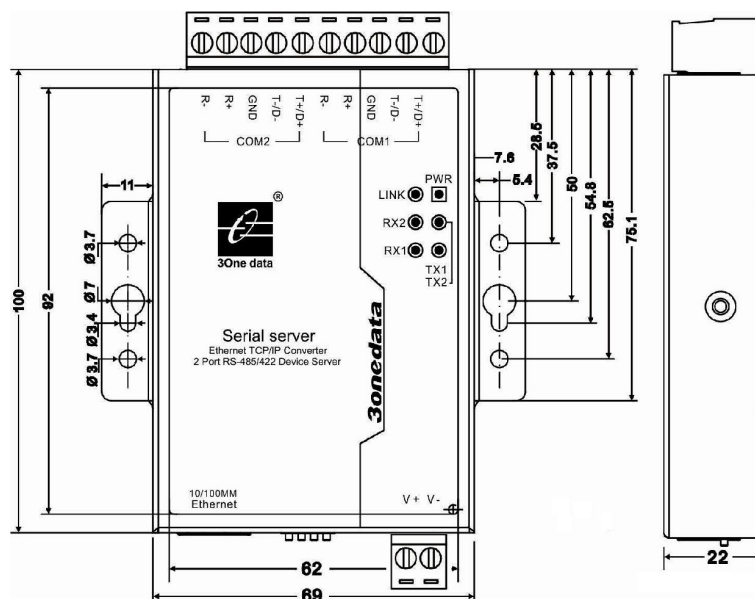
◎ Working temperature: -40～85℃

Introduction

NP302T-2D (RS-485) is an 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.

Dimension

Specification

Ethernet port	**RS-485/422 port data indicator: TX, RX**

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, 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: -40~85℃

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: 5years

Certificates

CE, FCC, RoHS, UL508 (pending)

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. 12VDC power adapter ×1
5. CD-ROM ×1
6. Warranty card ×1
7. Certificate of quality×1

Optional accessories:

   DIN-Rail Mounting Kit (35mm) ×1