# *NP302T-2D (RS-232)*

**2-Port RS-232 to Ethernet Serial Server**

## *Features*

◎ Support 10/100M Ethernet

◎ Support 2 Port RS-232

◎ 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-232) 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 RS232 (RS-232 connector: RJ45) 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
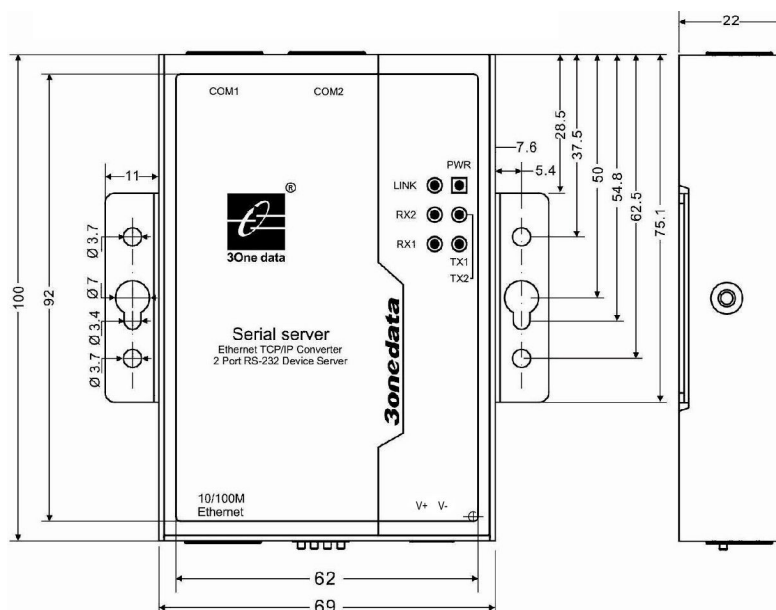
Moreover, NP302T-2D (RS-232) provide strong function configuration tools based in Windows platform, it can guide user configure the device step by step, all configurations are coming true by WEB or Telnet, support cross-gateway and cross-router, user can flexible configure IP address, server and client mode, data bag size etc.

NP302T-2D (RS-232) adopts EMC protection design, can work in rugged environment.

## Dimension

**Unit (mm)**

## Specification

| | |
|---|---|
| **Ethernet port** | RS232 port data indicator: TX, RX |
| Standard: 10Base-T, 100Base-TX | **Power requirements** |
| Protocol: Support TCP, UDP, APR, ICMP and DHCP | Input voltage: 9~48VDC |
| Signal: Rx+, Rx-, Tx+, Tx- | No-load consumption: 0.66W@12VDC |
| Speed: 10/100Mbps | Full-load consumption: 0.67W@12VDC |
| Working: Full-duplex and half duplex | **Environment limits** |
| Working mode: Support TCP Server and Client | Working temperature: -40~85℃ |
| Transfer distance: 100m | Storage temperature: -40~85℃ |
| Connector: RJ45 | Relative humidity: 5%~95%（non-condensing） |
| **RS232 port** | **Mechanical** |
| RS232 port number: 2 | Shell: IP30 protection, metal shell |
| RS-232 signal: DCD, RXD, TXD, DTR, GND, DSR, RTS, CTS | Installation: Wall mounting |
| Parity bit: None, Even, Odd, Space, Mark | Weight: 227g |
| Data bit; 5bit, 6bit, 7bit, 8bit | Size (L×W×H): 100mm×69mm×22mm |
| Stop bit: 1bit, 2bit | **Standard** |
| Band rate: 300bps～115200bps | EMS: EN 61000-4-2 (ESD) Level 3, |
| Loading: point to point | Shock: IEC 60068-2-27 |
| Transfer distance: no more than 15m | Free fall: IEC 60068-2-32 |
| Connector: RJ45 | Vibration: IEC 60068-2-6 |
| Protection: class 3 static | **Warranty** |
| **LED Indicator** | Warranty time: 5 years |
| Power (PWR) | **Certificates** |
| Ethernet port connect statue (Link) | CE, FCC, RoHS, UL508 (pending) |

## Ordering Information

**NP302T-2D (RS-232)-P (9~48VDC)**      2-port RS232 to Ethernet (10M/100M), DC9~48V, wall mounting

## Packing List

1. NP302T-2D(RS-232)×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) ×1