

NP304T-4DI (RS-485)

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

Features

- ◎ Support 10/100M Ethernet
- ◎ Support 4 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

NP304T-4DI (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 4 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.

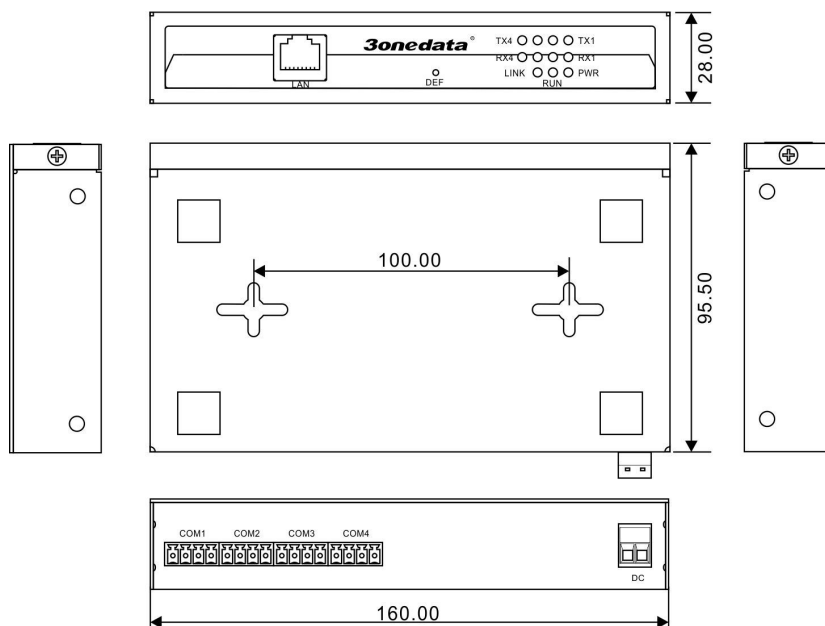
configuration tools based in Windows platform, it can guide user configure the device step by step, all configurations are coming true by WEB or Telnet, support cross-gateway and cross-router, user can flexible configure IP address, server and client mode, data bag size etc.

NP304T-4DI (RS-485) adopts EMC protection design, can work in rugged environment.

Moreover, NP304T-4DI(RS-485) provide strong function

Dimension

Unit (mm)





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: 4

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

RS-485 signal: D+(A), D-(B)

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

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

Stop bit: 1 bit, 2 bit

Band rate: 300bps~115200bps

Loading: support 32 nodes loop back

Transfer distance: 1200m

Connector: 4-bit terminal block

Protection: class 3 static, 1.5KVAC isolation

LED Indicator

Working statue indicator: RUN

Power (PWR)

Ethernet port connection statue (Link)

RS-485/422 port transmit data indicator: TX1~TX4

RS-485/422 port receive data indicator: RX1~RX4

Power requirements

Input voltage: 9~48VDC

No-load consumption: 1.35W@12VDC

Full-load consumption: 1.44W@12VDC

Environment limits

Working temperature: -40~85°C

Storage temperature: -40~85°C

Relative humidity: 5%~95% (non-condensing)

Mechanical

Shell: IP30 protection, metal shell

Installation: Wall mounting

Weight: 450g

Size (L×W×H): 160mm×95.5mm×28mm

Standard

EMI: EN 55022 Class A, FCC Part 15 Subpart B Class A

EMS: EN 55024,

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

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

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

EN 61000-4-5 (Surge) Level 3,

EN 61000-4-6 (CS) Level 3,

EN 61000-4-8,

EN 61000-4-11

Shock: IEC 60068-2-27

Free fall: IEC 60068-2-32

Vibration: IEC 60068-2-6

Warranty

Warranty time: 5 years

Certificates

CE, FCC, RoHS, UL508 (pending)

Ordering Information

NP304T-4DI (RS-485) 4-port RS-485/422 to Ethernet (10M/100M), DC9~48V, wall mounting

Packing List

1. NP304T-4DI(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) × 1