Your Serial and Data Communications Expert

NP308T-8DI(RS-485)

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

Features

◎ Support 10/100M Ethernet

◎ Support 8 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

NP308T-8DI(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 8 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

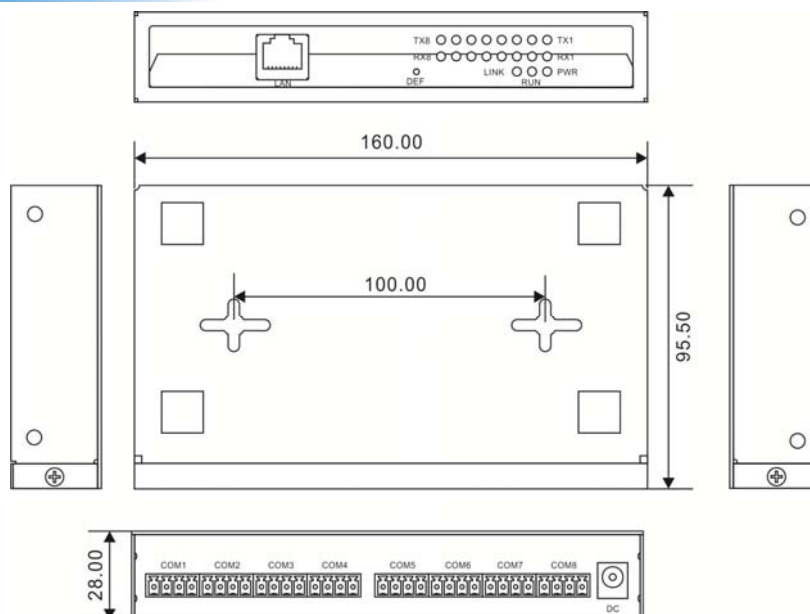Moreover, NP308T-8DI(RS-485) provide strong function

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 can flexible configure IP address, server and client mode, data bag size etc.

NP308T-8DI(RS-485) adopts EMC protection design, can work in rugged environment.

Dimension

Unit(mm)

Specification

Ethernet port

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: 8

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: 1bit,1.5bit,2bit

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~TX8

RS-485/422 port receive data indicator: RX1~RX8

Power requirements

Input voltage: 5VDC

No-load consumption: 1.73W@5VDC

Full-load consumption: 2.31W@5VDC

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: 486g

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

NP308T-8DI(RS-485)   8-port RS-485/422 to Ethernet(10M/100M), DC5V, wall mounting

Packing List

1. NP308T-8DI(RS-485)×1

2. User manual ×1

3. Straight network cable ×1

4. Software CD-ROM

5. Product Warranty booklet

6. 5VDC power adapter ×1

Optional accessories:

　　DIN-Rail Mounting Kit (35mm) ×1