NP3016T-16DI(RS-485)-P(85/265VAC)

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

Features

- Support 1 port 10/100M Ethernet
- Support 16 port RS-485/422, support 1.2KVAC isolation protection
- Support 300bps～921600bps non-blocking communication
- Support TCP, UDP, ARP, ICMP, HTTP, DNS and DHCP protocol
- Support TCP Server, TCP Client, UDP Server, UDP Client, UDP Multicast, UDP Rang,
  Pair Slave, Pair master and Real Com working mode
- Support cross-gateway and cross-router communication
- Support the polling mode
- Support FIFO function
- Compatible with a variety of virtual serial port management software
- Support WEB and Telnet configuration
- Support heartbeat time and time over disconnect function
- 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: -25～60℃

Introduction

NP3016T-16DI(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 16 port RS485/422 (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. Support TCP, UDP, ARP, ICMP, HTTP, DNS and DHCP protocol, Support virtual serial COM port access and Network interruption automatic recovery.

Moreover, NP3016T-16DI(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.

NP3016T-16DI(RS-485) adopts EMC protection design, can work in rugged environment. Appearance design support 1U RACK type installation, convenient for engineering use.

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, TCP Client, UDP Server, UDP Client, UDP Multicast, UDP Rang ,Pair Slave, Pair master and Real Com working mode

Transfer distance: 100m

Connector: RJ45

RS-485/422 port

RS485/422 port number: 16

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

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

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

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

Stop bit: 1bit, 1.5bit, 2bit

Band rate: 300bps～921600bps

Direction control: RS-485 using data flow automatic control technology

Load capacity: support 32 point polling environment (customizable 128 points)

RS-485/422 transfer distance: 1200m

Connector: 5 bit terminal block

Serial Line Protection: 1.2KVAC isolation protection

LED Indicator

Working statue indicator: RUN

Power: PWR

Ethernet port connection statue: Link1

RS-485/422 port transmit data indicator: TX1~TX8

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

Power requirements

Input Voltage: 85~265VAC

No-load consumption: 7.1W@220VAC

Full-load consumption: 7.9W@220VAC

Mechanical

Shell: IP30 protection, metal shell

Installation: 1U 19" rack mounting

Weight: 2500g

Size (W×H×D): 441.6mm×44.6mm×207.9mm

Environment limits

Working temperature: -25~60℃

Storage temperature: -30~85℃

Relative humidity: 0%~95%（non-condensing）

Standard

EMI: FCC Part 15,CISPR (EN55022) class A

EMS: EN61000-4-2 (ESD) , Level 3

　　　EN61000-4-4 (EFT), Level 3

　　　EN61000-4-5 (Surge), Level 2

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)

Ordering Information

NP3016T-16DI (RS485)-P (85/265VAC):   16-port RS485/422 to Ethernet (10M/100M), AC85~265V, 1U 19" rack mounting

Packing List

1. NP3016T-16DI(RS485) -P(85/265VAC) $\times$ 1

2. User manual $\times$ 1

3. Power cable $\times$ 1

4. CD $\times$ 1

5. Warranty card $\times$ 1

6. Certificate of quality $\times$ 1

7. Rackmount ears $\times$ 2