Your Serial and Data Communications Expert

NP3016T-16D(RS-232/485/422)-P   16 Port RS-232/485/422 to Ethernet Serial Server

Features

◎ Support 16 ports RS-232/485/422

◎ Support 1 port 10Base-T/100Base-TX adaptive Ethernet

◎ Support 300bps~921600bps unobstructed transmission

◎ Support TCP, UDP, ARP, ICMP, HTTP, DNS and DHCP protocols

◎ Support TCP Server, TCP Client, UDP Server, UDP Client, UDP Multicast, UDP Rang,
   Pair Slave, Pair Master, and Real Com working modes

◎ Support cross-gateway, router communication

◎ Support polling mode

◎ Support delimiter matching communication

◎ Support FIFO function

◎ Compatible with various virtual serial port management software

◎ Support standard TCP/IP SOCKET application access

◎ Support Windows serial port driver mode

◎ Support virtual serial driver access mode and automatic recovery from disconnection

◎ Provide Windows configuration tools that are easy-to-use and can be used in batch installation

◎ Support multiple configurations of WEB and serial port

◎ Low consumption

◎ IP40 protection, metal shell, 1U rack-mounted installation

◎ Working temperature: -25 ~ 60℃

Introduction

NP3016T-16D(RS-232/485/422)-P(85/265VAC) is a serial port connecting server that can provide serial device with network connectivity. It provides 16 ports RS-232/485/422 (RJ45 connector) and 1 port 10Base-T/100Base-TX Ethernet, which allows the scattered serial devices and hosts to be centrally managed in an easy and convenient way through network. It supports TCP, UDP, ARP, ICMP, HTTP, DNS and DHCP protocols, virtual serial driver access mode and automatic recovery of network.

In addition, NP3016T-16D(RS-232/485/422)-P(85/265VAC)

provides powerful management and configuration tools based on Windows and WEB management interface, guiding users' configuration of the devices step by step. All configurations can be done through the network or serial port, supporting cross gateway and router communication. It allows users to configure flexibly the IP address, Server or Client mode, size of packet, etc. Through simple settings, serial devices can access Internet immediately.

1U rack-mounted installation is supported for easy use in engineering.

Unit (mm)

Ethernet port:

Standard: 10Base-T, 100Base-TX

Protocol: support TCP, UDP, APR, ICMP and DHCP protocol

Signal: Rx+, Rx-, Tx+, Tx-

Rate: 10/100Mbps

Working mode: full or half duplex

Operating mode: TCP Server, TCP Client, UDP Server, UDP Client, UDP Multicast, UDP Rang, Pair Slave, Pair Master, Real Com

Connector: RJ45

Serial port:

Serial port number: 16-port RS-232/485/422

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

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

RS-232 signal: DSR, RTS, GND, RXD, TXD, DCD, CTS, DTR

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

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

Stop bit: 1bit, 1.5bit, 2bit

Baud rate: 300bps - 921600bps

Direction control: RS-485 adopts ADDC technology

Load capacity: support 32 nodes (customizable to 128 nodes) polling

Connector: RJ45

Transmission distance:

Twisted-pair: 100m (standard CAT5/CAT5e cable)

Serial port transmission distance: RS-485/422 1200m

RS-232 15m

Indicator:

Operation indicator: RUN

Power indicator: PWR

Network connection/operation status indicator: LINK1

16 serial ports COM1~COM16 data sending indicator: TX1~TX16

16 serial ports COM1~COM16 data receiving status indicator: RX1~RX16

Power:

Input voltage: 85~265VAC

No-load power: 6.7W@220VAC

Full-load power: 7.3W@220VAC

Mechanical structure:

Shell: IP40 protection grade, metal shell

Installation: 1U rack-mounted

Weight: 2500g

Dimension (W*H*D): 441.6mm*44.6mm*207.9mm

Working environment:

Working temperature: -25~60℃

Storage temperature: -30~85℃

Humidity: 0%~95% (no condensation)

Industry 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 period: 5 years

Certification:

CE, FCC, RoHS, UL508 (pending)

For latest information on product certification, please visit 3onedata website.

NP3016T-16D (RS-232/485/422)-P　　　16-port RS-232/485/422 to Ethernet (10M/100M), AC85~265V, rack-mounted

1. NP3016T-16D(RS-232/485/422)-P × 1

2. User manual × 1

3. Power cable × 1

4. CD × 1

5. Warranty card × 1

6. Certificate of quality × 1