

NP3116T-16D(3IN1)

16-Port RS-232/485/422 to 2-port Ethernet (10/100M)

Serial Device Server

Features

- Support 2 port 10/100M Ethernet, two IP address and two MAC address.
- Support 16 port RS-232/485/422
- Support 300bps to 921600bps non-blocking communication line speed
- 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
- Compatible with a variety of virtual serial port management software
- Support FIFO functionality
- 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
- Support 85~265VAC redundant power input
- Working temperature: -25~60°C



Introduction

NP3116T-16D (3IN1) 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 RS232/485/422 (connector: RJ45) and 2 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, NP3116T-16D (3IN1) 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.

NP3116T-16D (3IN1) adopts EMC protection design, can work in rugged environment. Appearance design support 1U RACK type installation, convenient for engineering use.

Specification

Ethernet port

Standard: 10Base-T, 100Base-TX

Protocol: Support TCP, UDP, APR, ICMP and DHCP

Ethernet port number: 2

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 232/485/422 port

RS232/485/422 port number: 16
 RS-232 signal: DCD, RXD, TXD, DTR, GND, DSR, RTS, CTS
 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-232 transfer distance: no more than 15m
 RS-485/422 transfer distance: 1200m
 Connector: RJ45

LED Indicator

Working statue indicator: RUN
 Power: PWR1, PWR2
 Ethernet port connection statue: Link1, Link2
 RS-232/485/422 port transmit data indicator: TX1~TX16
 RS-232/485/422 port receive data indicator: RX1~RX16

Power requirements

Input Voltage: 85~265VAC
 No-load consumption: 5.4W@220VAC

Full-load consumption: 5.7W@220VAC
 Support redundant power supply
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

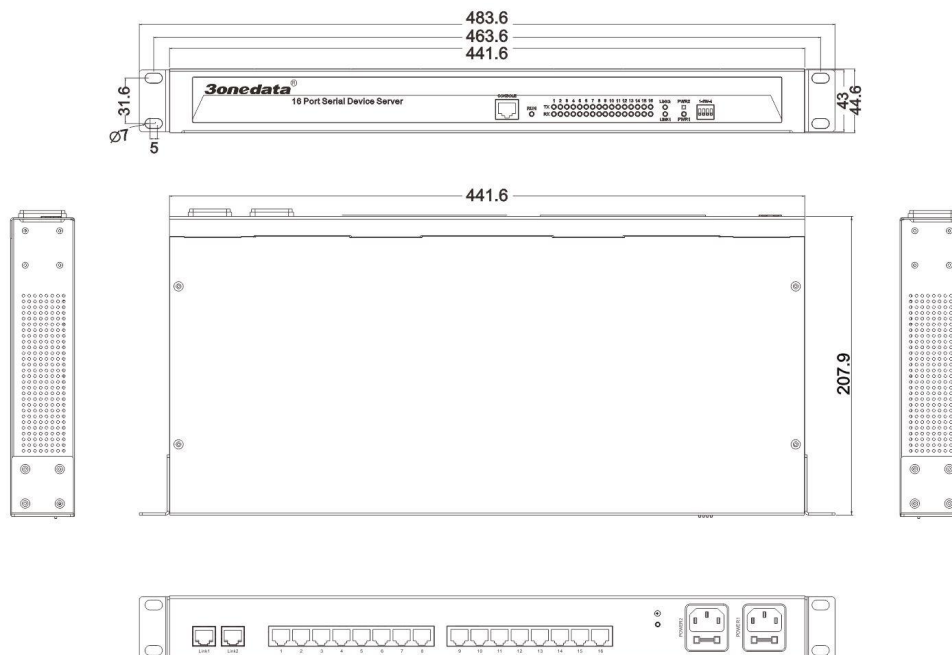
Warranty time: 3 years

Certificates

CE, FCC, RoHS, UL508 (pending)

Dimension

Unit (mm)





Ordering Information

NP3116T-16D (3IN1)-2P (85/265VAC): 16-port RS232/485/422 to 2-port Ethernet(10M/100M), 2P(AC85~265V), 1U 19" rack mounting;

Packing List

1. NP3116T-16D(3IN1)-2P(85/265VAC) × 1
2. User manual × 1
3. Power cable × 1
4. CD × 1
5. Warranty card × 1
6. Certificate of quality × 1
7. Rackmount ears × 2