

NP316 Series

16-Port RS-232/485/422 to Ethernet Serial Server

Features

1. Adopt 32 bit ARM processor, 125 DMIPS manage ability
2. 16 serial ports, with support for RS-232/RS-485/RS-422
3. Support 10/100M Ethernet
4. Support 300bps-460.8Kbps
5. Support TCP, UDP, ARP, ICMP, HTTP, TELNET and DHCP protocol
6. Support across gateway, router communication
7. Support standard TCP/IP SOCKET
8. Support Virtual serial driver access and auto connect after the network disconnect
9. Choice of configuration methods: Windows, TELNET and WEB



Introduction

NP316 series can conveniently connect up to 16 serial devices to an Ethernet, allowing you to network your existing serial devices with only basic configuration. With NP316 series, you can both centralize the management of your serial devices, and distribute management hosts over the network.

NP316 series can be used to connect different devices for remote management, each serial port operates independently to provide maximum versatility, each port can be operate in Driver, TCP Server, and TCP Client mode independently.

Specification

Ethernet

Number of ports:1(NP316E:2)
 Standard:10/100Base-T(X)
 Speed:10/100M auto-sensing
 Working mode: half /full duplex
 Working: TCP Server, TCP Client, UDP and Real COM driver
 Memory: Most 32Kbyte
 Transmission: 100m
 Electromagnetism isolate: 1KV
 Connector: RJ45

Serial

Standard: RS-232/RS-485/RS-422
 Number of ports:16
 Signals: RS-232:DCD,RXD,TXD,DTR,GND,DSR,RTS,CTS
 RS-485:Data+,Data-,GND
 RS-422:TXD+,TXD-,RXD+,RXD-,GND
 Parity: None, Even, Odd, Space, Mark
 Data bits: 5bit, 6bit, 7bit, 8bit
 Stop bits: 1, 1.5, 2
 Baud rate: 300bps ~ 460.8Kbps

Flow control: RTS/CTS or XON/XOFF
 Direction control: RS485 side adopt ADDC technology, auto text and control data transfer direction
 Loading: RS-485/422 side support 32 nodes (customize 128 nodes) loopback
 Transmission: RS-485/422 side 1200M, RS-232 port 15M
 Interface protection: 1500W surge protection, 15KV ESD protection

Software

Network protocols: Support TCP, UDP, ARP, ICMP, HTTP, TELNET and DHCP
 Driver support: Windows Real COM driver (Windows NT/2000, Windows XP/2003)
 Configuration options: Windows, TELNET and WEB

Power

Power input: AC/DC 85~265V
 Consumption: <2W

Environment

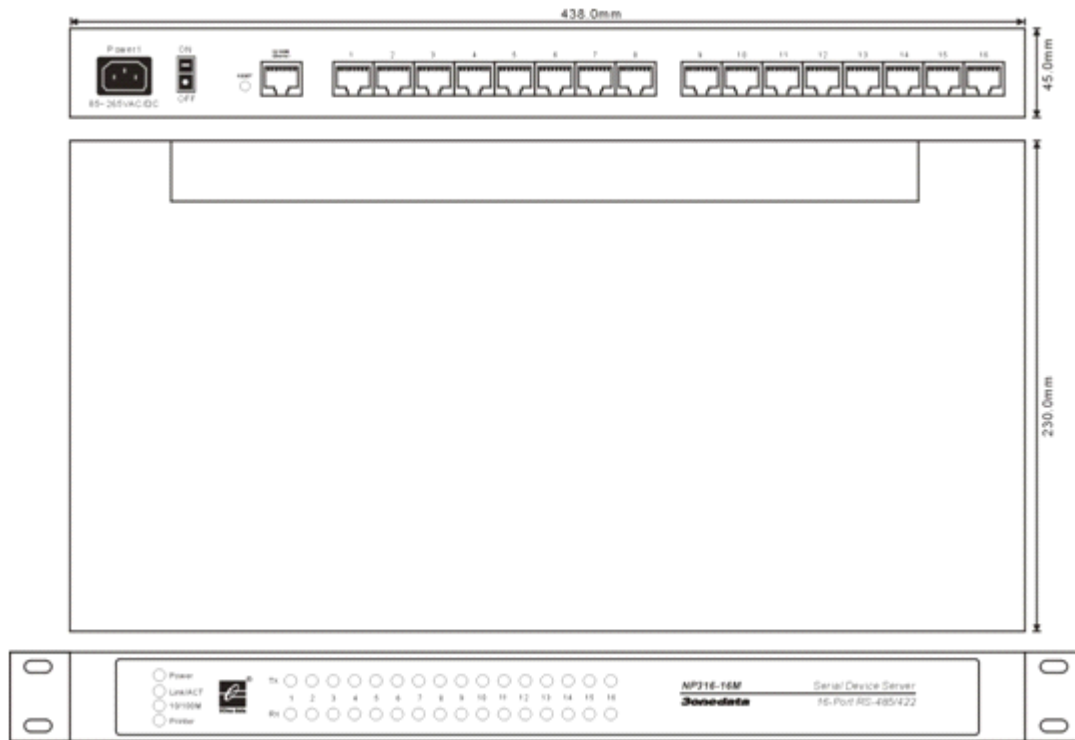
Working temperature:-20°C ~60°C



Storage temperature: -25°C ~ 85°C
Humidity: Relative humidity 5% to 95%
Appearance
Color: Black
L×W×H: 438.0mm×230.0mm×45.0mm

Material: Iron (Shell)
Weight: 460g
Warranty: 5 years
Approvals: FCC, CE, RoHS approvals

Dimension



Ordering Information

NP316	16-port RS232 to Ethernet (10M/100M), 1U 19" Rack, AC/DC85-265V
NP316-8M	(8-port RS232+8-port RS485/422) to Ethernet(10/100M),1U 19" Rack, AC/DC85-265V
NP316-16M	16-port RS485/422 to Ethernet (10M/100M),1U 19" Rack, AC/DC85-265V
NP316E	16-port RS232 to Ethernet (10M/100M), 2 Ethernet port, 1U 19" Rack, AC/DC85-265V
NP316E-2AC	16-port RS232 to Ethernet (10M/100M), 2 Ethernet port, 1U 19" Rack, dual AC/DC85-265V power supply

Packing List

1. NP316 series × 1
2. User manual × 1
3. Straight network cable × 1
4. Software CD-ROM
5. Product Warranty booklet