16Channel Serial(RS422/485) to Ethernet converter

Model:AZ-16SERIAL-ETH

Overview:

The **Azmoon's   Serial Server** is the best choice for simple **serial to Ethernet** connectivity applications. Delivering a cost effective solution in a compact size, the serial server offers flexibility making it ideal for applications that require an authentic serial connection across an Ethernet network.

The serial to ethernet servers can connect 16ports serial(RS422/RS485) devices to Ethernet network, It support RS422/S485 Serial Standards, It can be widely applied in different fields for such as PLCs, sensors, meters, motors, drives, barcode readers, and operator displays. The 8channel serial to ethernet servers are ultra-lean, ruggedized, and user friendly, making simple and reliable serial to Ethernet solutions possible. User can configure every port as RS422 or RS485.

Features:

1. Built-in 15 KV ESD protection for all serial signals
2. Web-based configuration
3. Support TCP server/ TCP client/UDP/Virtual COM Socket modes
4. It provides rich working mode to realize the serial devices connect to network immediately.
5. It supports the Real com/TTY drive that is compatible with the original software system completely
6. It has a compact structure, adopting high-performance processor and high-capacity memory;
7. Device Manager software for centralized management and control;
8. WEB browser for remote setup of the equipment;
9. It can support 16channel serial port ,RS422 or RS485,user can freely choose the RS422 or RS485 serial type.
10. Ethernet supports 10M/100M, full-duplex / half-duplex and adaptive modes;

Application:
Connect serial devices to server based applications over an IP network

Manage remote serial console ports over an IP network

Virtual modem capability for modem-based applications

Ethernet Interface:
Speed: 10/100Mbps

Number of ports: 2

Protocol: Support IEEE 802.3

connector: RJ45 connector

Magnetic Isolation Protection: 1.5 KV built-in

Serial interface:
Software and hardware flow control

Terminal Block (3 pins per port)

TX and RX activity indicators

Serial Line Protection:
EN 61000-4-2 (ESD) Level 4

EN 61000-4-5 (Surge) Level 2

EN 61000-4-4 (EFT) Level 3

Serial Communication Parameters
Data Bits: 5, 6, 7, 8

Stop Bits: 1, 1.5,2

Parity: None, Even, Odd, Space, Mark

Baudrate: 110 bps to 460.8 Kbps

Serial Signals
RS-422: TxD+,TxD-, RxD+,RxD-,GND

RS-485 half: Data+, Data-, GND

RS-485 full: TxD+,TxD-, RxD+,RxD-,GND

Software
Network Protocols: ICMP, IP, TCP, UDP, HTTP, ARP,

Configuration Options: Built-in WEB server,

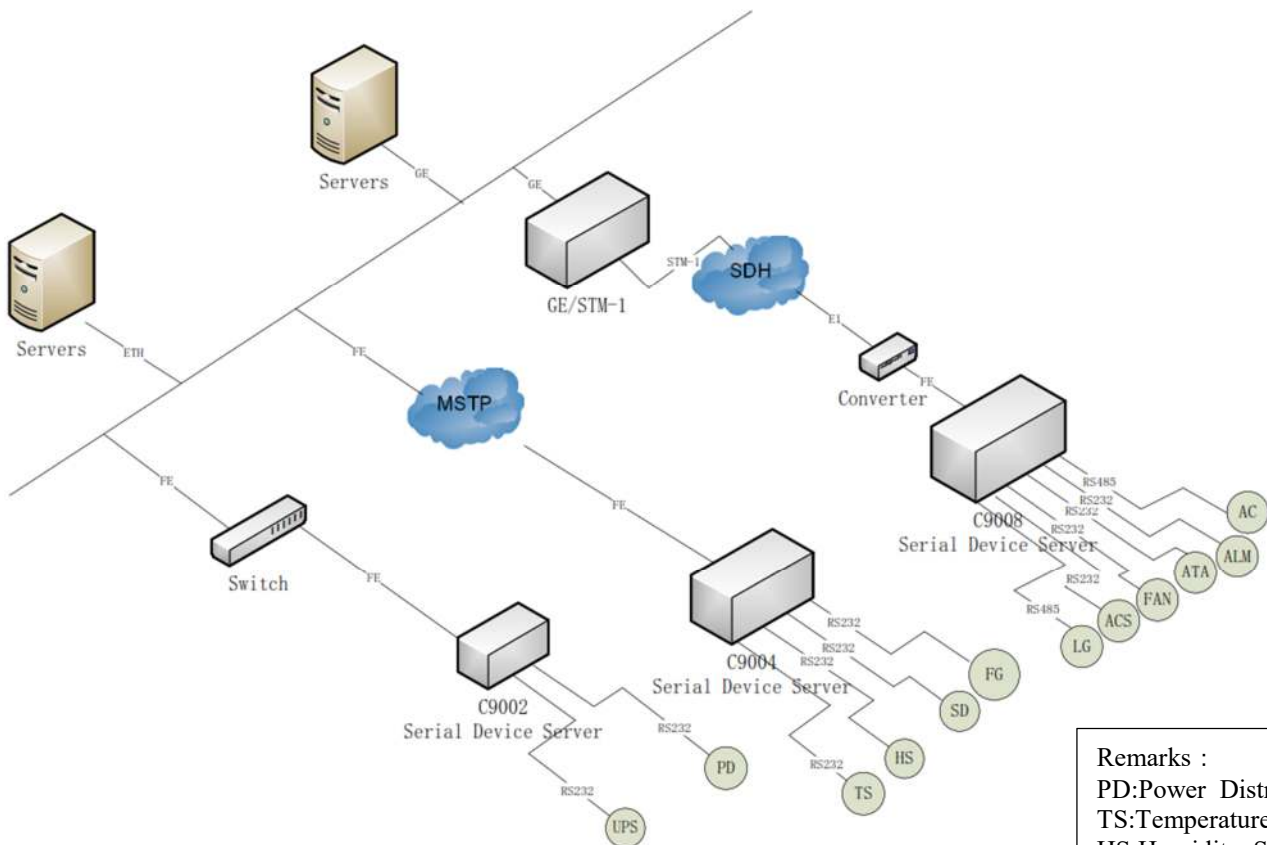Windows Virtual COM Drivers: Windows 2000/XP/2003/Vista/2008/7

Dimensions:

438.5 x 259 x 45mm 19inch rack mount

Environmental Limits
Operating Temperature: 0 to 50°C

Storage Temperature: -40 to 85°C

Ambient Relative Humidity: 5 to 95% (non-condensing)

Power Requirements
Input Voltage:

-48VDC, 110VAC and 220VAC(See Ordering Information)

Power Consumption: <15 watts

Servers

Servers

Servers

GE

GE

GE/STM-1

STM-1

SDH

E1

Converter

FE

ETH

MSTP

FE

FE

RS485
RS232
RS232

C9008
Serial Device Server

AC

RS232

ALM

ATA

RS232

FAN

FE

RS485

ACS

LG

Switch

FE

FE

C9004
Serial Device Server

RS232
RS232
RS232

FG

SD

C9002
Serial Device Server

RS232

RS232

PD

HS

RS232

RS232

UPS

TS

Remarks：
PD:Power Distribution
TS:Temperature Sensor
HS:Humidity Sensor
SD:Smoke Detectors
FG:Flooding LG:Lighting
ACS:Access Control
System ATS:Anti-theft
System ALM:Alarm
AC: Air Conditioning

Order information:

Model	Description
AZ-16SERIAL -ETH/AC	16Serial to Ethernet converter,RS422/RS485 selectable,2-port 10M/100M Ethernet,19'' rack mounting installation, Build in power 220VAC
AZ-16SERIAL -ETH/DC	16Serial to Ethernet converter,RS422/RS485 selectable,2-port 10M/100M Ethernet,19'' rack mounting installation, Build in power 220VAC