4Channel Serial to Ethernet converter

Model: AZ-4RS232-ETH AZ-4RS485-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 8channel serial to ethernet servers can connect 4 port serial devices to an Ethernet network, It support RS232/RS485 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.

Features:

1. 4KV/2KA enhanced surge protection for serial ports
2. Built-in 15 KV ESD protection for all serial signals
3. Web-based configuration
4. Support TCP server/ TCP client/UDP/Virtual COM Socket modes
5. It has a compact structure, adopting high-performance processor and high-capacity memory;
6. Device Manager software for centralized management and control;
7. WEB browser for remote setup of the equipment;
8. It can support 4channel RS232 or RS485;
9. 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 application

Ethernet Interface:

10/100Mbps rate full/duplex auto-negotiation Protocol: Support IEEE 802.3 RJ45 connector Magnetic Isolation Protection: 1.5

Serial interface:

Software and hardware flow control Terminal Block (3 pins per port) TX and RX activity indicators

Serial Line Protection:

15 KV ESD protection for all signals(Pending)

Pull High/Low Resistor for RS-485: 10 K Ω,

Serial Communication Parameters

Data Bits: 5, 6, 7, 8

Stop Bits: 1, 2

Parity: None, Even, Odd, Space, Mark

Baudrate: 300 bps to 115.2 Kbps

Serial Signals

RS-232: TxD, RxD,GND

RS-422: Tx+, Tx-, Rx+, Rx-, GND RS-485-2w: Data+, Data-, 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:

183 x 88 x 30mm

Environmental Limits

Operating Temperature: 0 to 50℃

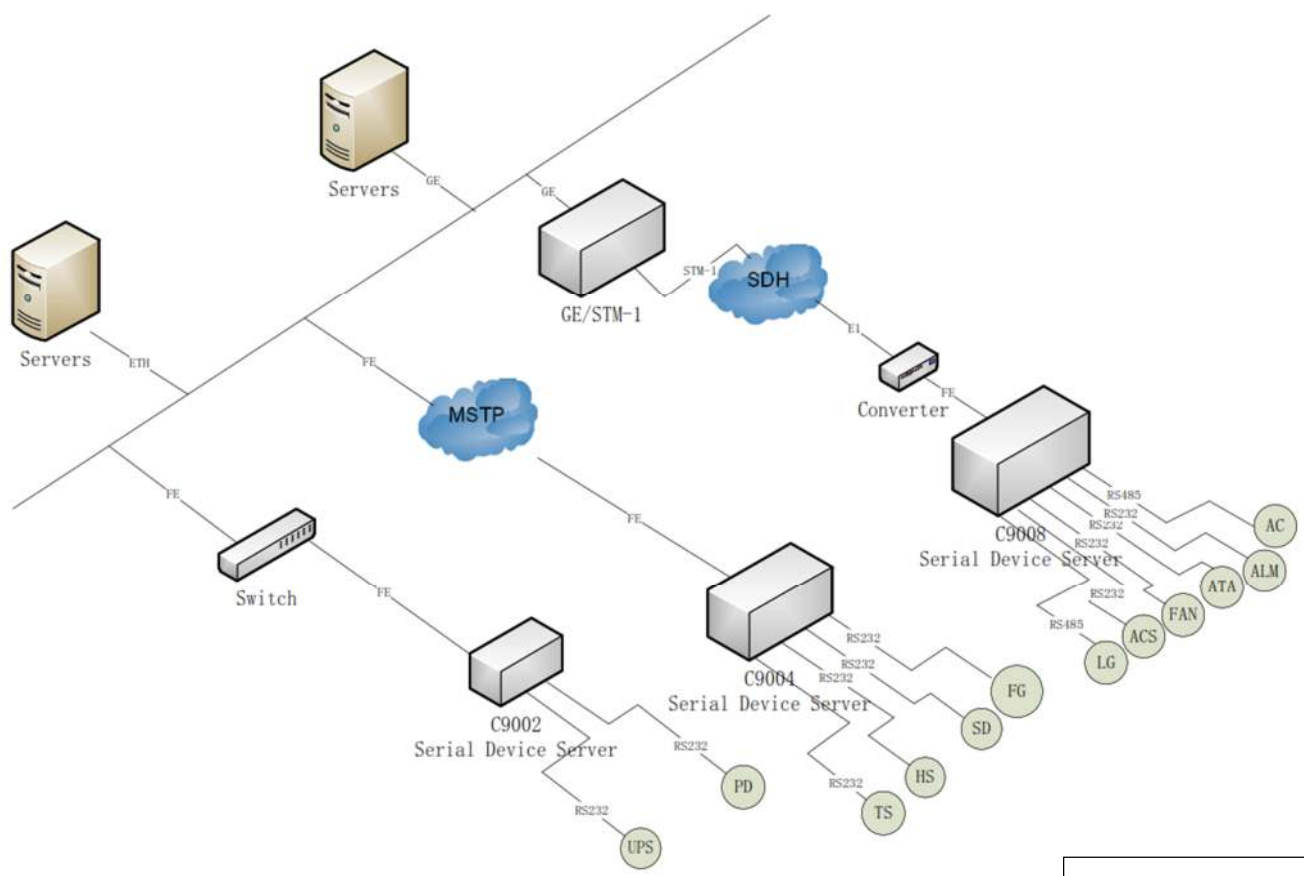Storage Temperature: -40 to 85℃

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

Power Requirements

Input Voltage:

5 VDC, 24VDC, -48VDC, 110VAC and 220VAC(See Ordering Information)

Power Consumption: <5 watts

Order information:

AZ-4RS232-ETH	Serial to Ethernet converter, 4channel serial RS232 to Ethernet, power AC220V or DC48V
AZ-4RS485-ETH	Serial to Ethernet converter, 4channel serial RS485 to Ethernet, power AC220V or DC48V
AZ-8RS232-ETH	Serial to Ethernet converter, 8channel serial RS232 to Ethernet, power AC220V or DC48V
AZ-8RS485-ETH	Serial to Ethernet converter, 8channel serial RS485 to Ethernet, power AC220V or DC48V