

## 8Channel Serial to Ethernet converter

**Model: AZ-8RS232-ETH**

**AZ-8RS485-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 8 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 8 channel 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 8channel 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 applications

### **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 indicato

### **Serial Line Protection:**

- 15 KV ESD protection for all signals(Pending)
- Pull High/Low Resistor for RS-485: 10 K  $\Omega$ ,

### **Serial Communication Parameters**

- Data Bits: 5, 6, 7, 8
- Stop Bits: 1, 2
- Parity: None, Even, Odd, Space, Mark
- Baud rate: 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**

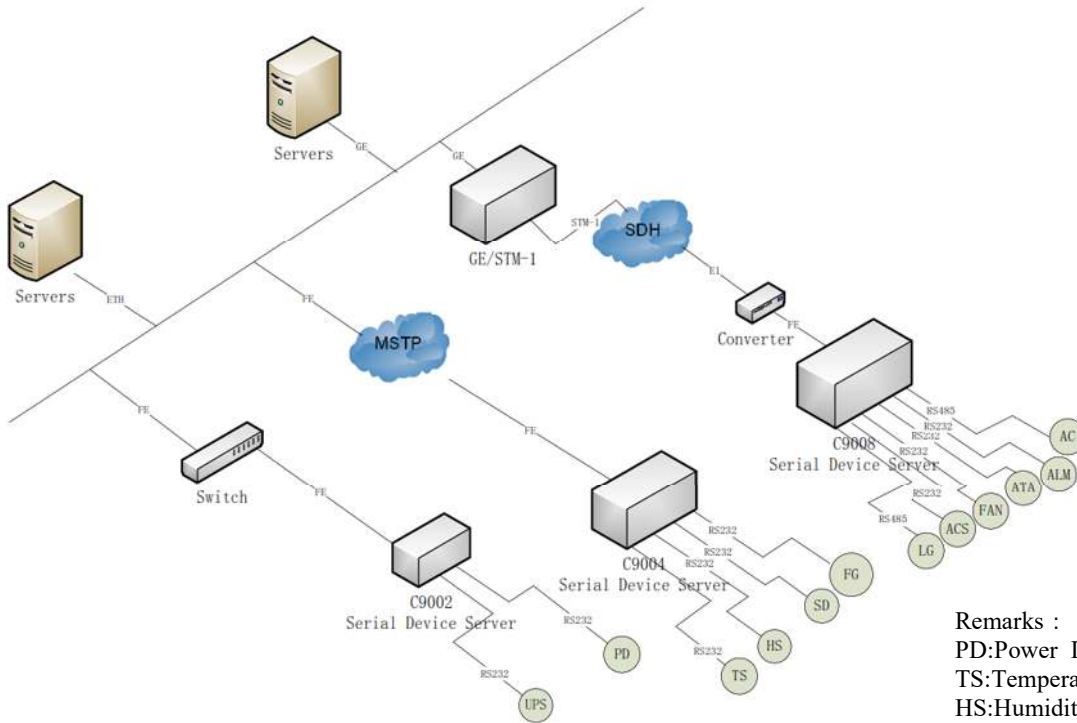
- Operating Temperature: 0 to 50  $^{\circ}\text{C}$
- Storage Temperature: -40 to 85  $^{\circ}\text{C}$
- Ambient Relative Humidity: 5 to 95% (non-condensing)

### **Power Requirements**

- Input Voltage:

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

## Application:



### Remarks :

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

## 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