One Channel Serial to Ethernet converter

Model: AZ-SERIAL-ETH

Overview:

Azmoon's serial servers (AZ-SERIAL-ETH) are designed to make your serial devices Internet ready in no time. The AZ-SERIAL-ETH device servers is the ideal choice for connecting your RS-232 or RS-422/485 serial devices such as PLCs, meters, and sensors to an IP-based Ethernet LAN, making it possible for your software to access serial devices from anywhere over a local LAN or the Internet. The user can configure the serial ports as RS232 or RS422 or RS485 by software, which is very convenient for user's application and reducing project cost.

The AZ-SERIAL-ETH/T serial device servers support automatic IP configuration protocols (DHCP) and manual configuration via the handy web browser console. Both methods ensure quick and effective installation. And with the AZ-SERIAL-ETH's Windows Utility, User can search the serial device servers of local LAN, also can configuration, manager and monitor working state.

Features:

1. It use embedded real-time operating system，It's stable and reliable performance.

2. It provides rich working mode to realize the serial devices connect to network immediately.

3. It supports the Real com/TTY drive that is compatible with the original software system completely

4. It has a general transparent transmission mode that is TCP Server, TCP Client and UDP.

5. It supports Pair Slave/Pair Master Mode and reverse Telnet Mode.

6. User can configure and manage the device through Web browser or Telnet terminal.

7. It supports a management software in Windows Platform that provide a powerful management function.

8. It is free for user to configure the RS232/RS422/RS485 serial type.

9. 10/100M Ethernet port.

10. It embeds 15KV ESD surge protection.

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

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Ethernet Interface:

10/100Mbps rate

full/duplex auto-negotiation

Protocol: Support IEEE 802.3

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 Communication Parameters
- Data Bits: 5, 6, 7, 8
- Stop Bits: 1, 1.5,2
- Flow controller's/CTS,XON/XOFF
- Parity: None, Even, Odd, Space, Mark
- Baud rate: 300 bps to 921.6 Kbps

Serial Signals
RS-232: TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND
RS-422: Tx+, Tx-, Rx+, Rx-, GND
RS-485_half: DATA+/DATA-, GND
RS-485_full: TX+/RX+/TX-/RX-/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
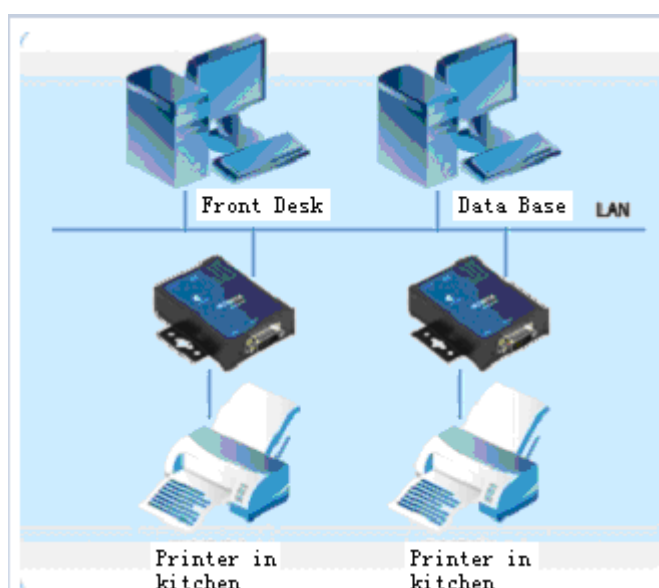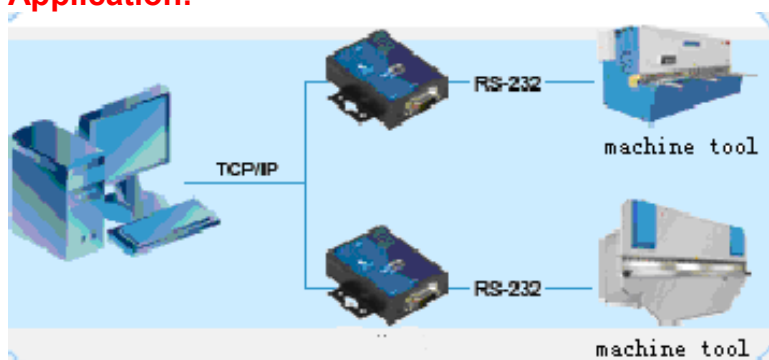
Dimensions:

82x 76 x 22mm

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:

    5 VDC, -24VDC,-48VDC, 110VAC and 220VAC (See Ordering Information)
- Power Consumption: <5 watts

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Application:

Ordering information:

AZ-SERIAL-ETH/DB9	one channel Serial to Ethernet converter, RS232/RS422/RS485 selectable,DB9 connector, power AC220V or DC 48V
AZ-RS232-ETH/DB9	one channel RS232 Serial to Ethernet converter,DB9 connector, power AC220V or DC 48V
AZ-RS485-ETH	one channel Serial to Ethernet converter,RS485,industrial terminal connector, power AC220V or DC 48V or DC24V
AZ-RS422-ETH	one channel Serial to Ethernet converter,RS422,industrial terminal connector, power AC220V or DC 48V