

I-8772

Modbus to Ethernet Data Gateway



INTRODUCTIONS

To be a Modbus data gateway, the I-8772 serves as an interface between Modbus serial devices and computer hosts running Modbus/TCP on Ethernet. Fully compliant with Modbus/TCP, it is ideal for customers searching for an easy way to connect their existing Modbus serial protocols (Modbus/ASCII or Modbus/RTU) devices or controllers to an Ethernet network. It is a bridge between Modbus serial devices/controllers and TCP/IP Ethernet. There are many benefits for expanding Ethernet-based Modbus (Modbus/TCP) applications.

Networks are getting increasingly vital to industrial automation applications. The I-8772 Modbus to Ethernet Data Gateway is a new product in the data gateway series from AXIOMTEK that allows users to upgrade existing Modbus/RTU and Modbus/ASCII serial devices to newer TCP/IP network-based devices. Manufacturers, system integrators, and end users can take advantage of the I-8772 to create network applications of remote managing and accessing data through their control devices.

As a bi-directional communication data gateway between Ethernet and Modbus network, the I-8772 is very easy to integrate both heterogeneous networks within your factory. The I-8772 provides features such as 10/100 Mbps data rate for Ethernet/Fast Ethernet connections, serial port speed up to 115.2 Kbps, auto-detecting device, Modbus RTU, Modbus/ASCII, Modbus/TCP protocol, diagnostic LEDs, RJ-45 connectors, and surge protection on the network. The I-8772 has these merits to help you build up a great communication Data Gateway between Ethernet and Modbus, which will be your best choice to integrate Ethernet and Modbus network in your factory to get better network integration and resource sharing.

FEATURES

- ▶ Supports 10/100Mbps two communication speeds
- ▶ Plug & Play design without extra configuration effort
- ▶ Allows up to 8 clients to access field data simultaneously
- ▶ Supports popular HMI software with Modbus/TCP driver or OPC server
- ▶ OS, hardware platform independent
- ▶ Up to 3 Independent serial ports capacity if configure to RS-485 serial mode
- ▶ Provides auto-searching device ID Windows utility
- ▶ RISC CPU and real-time OS embedded
- ▶ Surge protection for RS-485 and power line
- ▶ Automatic RS-485 data flow control
- ▶ Easy mounting on DIN-rail, panel piggyback
- ▶ Supports Modbus/ASCII, RTU Protocol to control devices

SPECIFICATIONS

Protocol	Ethernet: Modbus/TCP Serial: Modbus/RTU, Modbus/ASCII
Network	10BASE-T IEEE 802.3, 100BASE-TX IEEE 802.3u
Port	RJ-45 connector
Serial Port	RS-232/422/485 IO plug-in connector Transmission speed: 300 bps to 115.2 kbps Parity: odd, even, none Data bit: 7, 8 Stop bit: 1, 2
Compatibility	Ethernet: version 2.0/IEEE 802.3, IEEE 802.3u Modbus/Serial: Modbus/ASCII, Modbus/RTU Network: Modbus/TCP
Diagnostic LEDs	Network: Tx/Rx, Link, Speed (10/100Mbps), Power, Serial: Status, Tx/Rx
Utility Software	Windows-based, device auto-searching Device Setting: name, description, serial port
Compatible with application software running on Modbus/TCP standard	
Power Requirements	Unregulated 10 to 30 V
Power Consumption	3 watt
Case	ABS with captive mounting hardware
Accessories	DIN-rail, Panel mounting, piggyback stack
Operating Temp.	0 to 60°C
Storage Temp.	-20 to 80°C
Operating Humidity	20 to 95% (non-condensing)
Storage Humidity	0 to 95% (non-condensing)

ORDERING INFORMATION

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