

ADAM-4572

Modbus RTU to Modbus TCP Converter

Features

- Supports 10/100 Mbps communication speeds
- Allows up to 8 clients to access field data simultaneously
- Supports popular HMI software with Modbus®/TCP driver or OPC server
- Up to 3 Independent serial ports capacity if configured to RS-485 serial mode
- Provides auto-searching device ID Windows utility
- Surge protection for RS-485 and power line
- Automatic RS-485 data flow control
- Easy mounting on DIN-rail and wall, and can also be stacked
- Supports Modbus/ASCII, Modbus/RTU Protocol to control devices



DESCRIPTION:

ADAM-4572 serves as an interface between Modbus serial devices and computer hosts running Modbus/TCP on an Ethernet network. Fully compliant with Modbus/TCP, it is ideal for those who looking for an easy way to connect their existing devices or controllers running Modbus serial protocols (Modbus/ASCII or Modbus/RTU) to Ethernet networks. It works like a bridge between Modbus serial devices and controllers over TCP/IP Ethernet networks. Benefits are also abundant for customers who want to expand their Ethernet-based Modbus (Modbus/TCP) applications.

Networks have become increasingly vital for industrial automation applications, but many control devices today do not have a network port and can only communicate with a dedicated local PC or control panel. Advantech's revolutionary network-enabling technology is now allowing control devices with serial ports to connect to the Ethernet and share networks quickly and cost-effectively. The ADAM-4572 Modbus to Ethernet Data Gateway allows users to integrate new and existing Modbus/RTU and Modbus/ASCII serial devices to newer TCP/IP network-based devices. Manufacturers, system integrators, and end users can now use the ADAM-4572 to create networked applications to remotely manage and access data from control devices no matter where they are.

SPECIFICATIONS:

Ethernet Communications

Compatibility	IEEE 802.3, IEEE 802.3u
Speed	10/100 Mbps
Connectors	1 x RJ-45

Serial Communications

Type	RS-232/422/485
Connectors	Screw terminal
Ports	1
Data Bits	7, 8
Stop Bits	1, 2
Baud Rate	300 bps ~ 115.2 kbps
Data Signals	RS-232: TxD, RxD, GND RS-422: TxD+, TxD-, RxD+, RxD-, GND RS-485: Data+, Data-, GND

Protection

Surge Protection	15 kVESD
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Software

Drivers Supported	Windows® 98/NT/2000/XP
Utility Software	Auto-detecting configuration utility (up to 128 devices) Device setting: name, description, serial port
Operation Mode	Modbus/TCP, Modbus/RTU, Modbus/ASCII
Configuration	Configuration utility

Mechanics

Dimensions	(H x W x D) 70 x 130 x 30 mm
Enclosure	ABS+PC with solid mounting hardware
Mounting	DIN-rail, stack, wall

General

Certifications	CE, FCC class A
LED Indicators	Network: Tx/Rx, Link, Speed (10/100 Mbps) Serial: Tx/Rx System: Power, Status

Power

Power Input	Unregulated 10 ~ 30 VDC
Power Consumption	3 W
Environment	
Operating Temp.	0 ~ 60° C (32 ~ 140°F)
Storing Temp.	-20 ~ 80° C (-4 ~ 176°F)
Operating Humidity	20 ~ 95% (non-condensing)
Storing Humidity	0 ~ 95% (non-condensing)

Ordering Information

ADAM-4572	1-Port Modbus to Ethernet Data Gateway
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TYPICAL APPLICATION:

