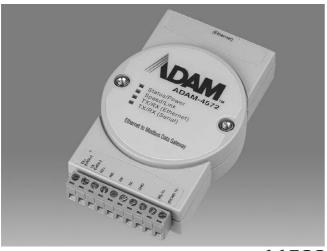
# **ADAM-4572**

## **1-port Modbus® to Ethernet Data Gatewav**



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# Introduction

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 10/100 Mbps
- Speed
- Connectors 1 x R.I-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
- Protection
- Surge Protection

#### Software

•	Drivers Supported	Windows <sup>®</sup> 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

RS-485: Data+, Data-, GND

 $15 \, \text{kV}_{\text{ESD}}$ 

#### Mechanics

- Dimensions (H x W x D) 70 x 130 x 30 mm
  - Enclosure

**Features** 

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 Supports 10/100 Mbps communication speeds Allows up to 8 clients to access field data simultaneously

Provides auto-searching device ID Windows utility Surge protection for RS-485 and power line

- Easy mounting on DIN-rail and wall, and can also be stacked Supports Modbus/ASCII, Modbus/RTU Protocol to control devices

Automatic RS-485 data flow control

Supports popular HMI software with Modbus<sup>®</sup>/TCP driver or OPC server

Up to 3 Independent serial ports capacity if configured to RS-485 serial mode

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

ABS+PC with solid mounting hardware

DIN-rail, stack, wall

## Power

- Power Input Unregulated 10 ~ 30 V<sub>DC</sub>
- Power Consumption 3 W

### Environment

- Operating Temperature 0 ~ 60° C (32 ~ 140°F)
- Storing Temperature -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