

# ADAM-4570

# ADAM-4571

**2-port RS-232/422/485 to Ethernet  
Data Gateway**

**1-port RS-232/422/485 to Ethernet  
Data Gateway**



FCC CE

## Features

- Supports 10/100Base-T Ethernet port
- Supports high transmission speeds up to 230 kbps
- Supports an advanced security mechanism to avoid unauthorized access
- Auto-reconnection
- Remote download firmware
- Auto-detecting
- Easy-managing Port Mapping Utility
- Supports Windows® 98/NT/2000/XP driver
- Surge protection for RS-485 line and power supply
- Automatic RS-485 data flow control

## Introduction

ADAM-4570 and ADAM-4571 are lightning fast and cost effective data gateways between RS-232/422/485 and Ethernet interfaces. These units immediately upgrade your existing device(s) to the Ethernet world. Functionally transparent and efficient, the ADAM-4570 and ADAM-4571 are specially designed for remotely controlling and monitoring devices via the Internet.

One or two RS-232/422/485 serial ports can each be easily configured for your needs. There is also support for transmission speeds up to 230 kbps, which meets the demand for today's high-speed data exchanges. You can use a Windows® utility to configure the units without need for further programming. ADAM-4570 and ADAM-4571 not only protect your current hardware investment but also ensure future network expandability. Since the protocol conversion is transparent, all existing devices can be seamlessly integrated into the Ethernet network. Therefore, ADAM-4570 and ADAM-4571 can be used in security systems, factory automation, SCADA, transportation and more.

The units integrate both your existing human-machine interface software (HMI) and RS-232/422/485 system architecture with an Ethernet network. The result helps save cabling space and software development costs. ADAM-4570/ and ADAM-4571 also provide a high-performance RISC CPU and real-time operating system to reduce CPU load. These components make the units more stable and reliable. Another benefit is the ability to remotely download programs to a designated device via Ethernet. This reduces the need for on-site maintenance and diagnosis.

A Windows configuration and port-mapping utility is also included. This configuration tool can auto-detect all Ethernet Data Gateway devices on a local network, and helps users to easily adjust all settings. The port mapping utility helps to set up COM ports for one Windows® 95/98/NT/2000/XP platform. This helps you configure all ports to meet your requirements.

## Specifications

- **Protocol** TCP/IP
- **Network** 10/100Base-T Ethernet
- **Port** 1/2 Independent RS-232/422/485 ports
- **Connector** Network: RJ-45  
Serial: RJ-48 (RJ-48 to DB9 cable provided)
- **Transmission Speed** 50 bps ~ 230 kbps
- **Parity Bits** Odd, even, none, space, mark
- **Data Bits** 5, 6, 7, 8
- **Stop Bits** 1, 1.5, 2
- **Diagnostic LEDs** Network: Tx/Rx, Link, Speed (10/100 Mbps), Power  
Serial: Tx/Rx, Status
- **Surge Protection** 15 K V<sub>ESD</sub> (RS-232/422/485)
- **Utility Software** Auto-detecting configuration utility (up to 128 devices)  
port mapping utility
- **Drivers Supported** Windows® 98/NT/2000/XP
- **Power Requirements** Unregulated 10 to 30 V<sub>DC</sub>
- **Power Consumption** 4 watt
- **Mounting** DIN-rail, panel mounting, piggyback stack
- **Operating Temperature** 0 ~ 60° C (32 ~ 140° F)
- **Storage Temperature** -20 ~ 80° C (-4 ~ 176° F)
- **Operating Humidity** 20 ~ 95% (non-condensing)
- **Storage Humidity** 0 ~ 95% (non-condensing)

## Ordering Information

- **ADAM-4571** 1-port RS-232/422/485 to Ethernet Data Gateway  
(1 pc of 1 m RJ-48 to male DB9 RS-232/422/485 cable included)
- **ADAM-4570** 2-port RS-232/422/485 to Ethernet Data Gateway  
(2 pcs of 1 m RJ-48 to male DB9 RS-232/422/485 cable included)
- **OPT1A** 1m RJ-48 to male DB9 RS-232/422/485 cable
- **OPT1D** 30cm RJ-48 to male DB9 RS-232/422/485 cable