# ADAM-4570/4570L

# 2-port Serial to Ethernet Data Gateway



# **Features**

- Supports RS-232/422/485 serial communications (ADAM-4570)
- Supports RS-232 serial communication (ADAM-4570L)
- 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 updating of firmware
- Easy management with Port Mapping Utility
- Supports Windows® NT/2000/XP drivers
- Surge protection for serial line signals
- Automatic RS-485 data flow control (ADAM-4570)

# Introduction

ADAM-4570 and ADAM-4570L are fast and cost effective data gateways between serial and Ethernet interfaces. They immediately upgrade your existing device(s) to the Ethernet world. Functionally transparent and efficient, ADAM-4570 and ADAM-4570L are specially designed for remote control and monitoring of devices via the Internet.

Two 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-4570L 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-4570L can be used in security systems, factory automation, SCADA, transportation and more.

# **Specifications**

## **Ethernet Communications**

Compatibility
Speed
Connectors
LEE802.3, IEEE802.3u
10/100 Mbps
1 x RJ-45

## **Serial Communications**

• Type RS-232/422/485 (ADAM-4570) RS-232 (ADAM-4570L)

Connectors 2 x RJ-48
Ports 2
Data Bits 5, 6, 7, 8
Stop Bits 1.1.5.2

Parity Bits
Odd, even, none, space, mark

■ **Baud Rate** 50 bps ~ 230 kbps

Data Signals
RS-232: TxD, RxD, CTS, RTS, DTR, DSR, DCD, RI, GND

RS-422: TxD+, TxD-, RxD+, RxD-, GND

RS-485: Data+, Data-, GND

#### **Protection**

Surge Protection 15 kV<sub>ESD</sub>

#### Software

Drivers Supported Windows NT/2000/XP

• **Utility Software** Auto-detecting configuration utility (up to 128 devices)

port mapping utility

Operation Modes
Configuration
Virtual COMport
Configuration utility
Port mapping 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: Status, Power

## Power

Power Input
Unregulated 10 to 30 V<sub>DC</sub>

Power Consumption 4 W

#### **Environment**

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-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)

■ **ADAM-4570L** 2-port RS-232 to Ethernet Data Gateway

(2 pcs of 1 m RJ-48 to male DB9 RS-232/422/485

able 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