

# ADAM-4570W ADAM-4571W

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

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



FCC CE

## Features

- Supports 802.11b standard
- Supports Wireless LAN Ad-Hoc and Infrastructure modes
- 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-4570W/4571W is a cost-effective data gateway between RS-232/422/485 and 802.11b Wireless LAN interfaces. It provides a quick and low-cost method to connect any RS-232/422/485 device to 802.11b wireless LAN. Functionally transparent and efficient, ADAM-4570W and ADAM-4571W saves costs when existing H/W & S/W must continue to be used. ADAM-4570W and ADAM-4571W bring the advantages of remote management and data accessibility to thousands of RS-232/422/485 devices that cannot connect to the network.

ADAM-4570W and ADAM-4571W provide one or two RS-232/422/485 serial ports, and the transmission speed is up to 230 kbps, meeting the demand for high-speed data exchange. In addition, you can use a Windows® utility to configure ADAM-4570W and ADAM-4571W without further programming. This not only protects your current hardware investment but also ensures future network expandability. Since the protocol conversion is transparent, all your existing devices can be seamlessly integrated with the 802.11b wireless LAN network. Therefore, ADAM-4570W and ADAM-4571W can be used in security systems, factory automation, SCADA, transportation and more.

ADAM-4570W and ADAM-4571W integrate both your existing human-machine interface software (HMI) and the RS-232/422/485 system architecture with an 802.11b Wireless LAN network. The result helps you save cabling and software development costs. Another benefit is that ADAM-4570W and ADAM-4571W makes it possible to remotely download programs to a designated device via 802.11b wireless LAN. This reduces the need for on-site maintenance and diagnosis. In addition, ADAM-4570W and ADAM-4571W comes with a Windows configuration and port-mapping utility. The configuration tool can auto-detect all 802.11b wireless LAN Data Gateway products on the local network. It also lets you adjust all settings easily. The port mapping utility helps you to set up COM ports for one Windows® NT/2000/XP platform. This helps you configure all ports to meet your requirements.

## Specifications

- **Protocol** TCP/IP
- **Network** 802.11b
- **Port** 1/2 Independent RS-232/422/485 ports
- **Connector** Serial: RJ-48 (RJ-48 to DB9 male cable provided)
- **Transmission Speeds** 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** WLAN: Active, Link  
Serial: Tx/Rx  
System: Status, Power
- **Surge Protection** 15 K V<sub>ESD</sub>
- **Utility Software** Auto-detecting configuration utility  
Port mapping utility
- **Driver Support** Windows® 98/NT/2000/XP
- **Power Requirement** Unregulated 10 to 30 V<sub>DC</sub>
- **Power Consumption** Max @ 4 Watt
- **Mounting** DIN-rail, panel mounting, piggyback stack
- **Operating Temperature** 0 ~ 60° (32 ~ 140°)
- **Storage Temperature** -20 ~ 80° (-4 ~ 176°)
- **Operating Humidity** 20 ~ 95% (non-condensing)
- **Storage Humidity** 0 ~ 95% (non-condensing)

## Ordering Information

- **ADAM-4571W** 1-port RS-232/422/485 to WLAN Data Gateway  
(1 pc of 1 m RJ-48 to male DB9 RS-232/422/485 cable included)
- **ADAM-4570W** 2-port RS-232/422/485 to WLAN 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