

ADAM-4570W

ADAM-4571W

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

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

NEW



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 serial signals
- Automatic RS-485 data flow control

Introduction

ADAM-4570W and ADAM-4571W are a cost-effective data gateway between RS-232/422/485 and 802.11b Wireless LAN interfaces. Functionally transparent and efficient, ADAM-4570W and ADAM-4571W save 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. This reduces the need for on-site maintenance and diagnosis. In addition, ADAM-4570W and ADAM-4571W come 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 Windows 98/NT/2000/XP/2003 platform. This helps you configure all ports to meet your requirements.

Specifications

Ethernet Communications

- **Compatibility** IEEE 802.11b
- **Speed** 11 Mbps
- **Connectors** Wireless

Serial Communications

- **Type** RS-232/422/485
- **Connectors** ADAM-4570W: 2 x RJ-48
ADAM-4571W: 1 x RJ-48
- **Ports** ADAM-4570W: 2
ADAM-4571W: 1
- **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_{ESD} for serial signal

Software

- **Driver Supported** Windows 98/NT/2000/XP
- **Utility Software** Auto-detecting configuration utility (up to 128 devices)
Port mapping utility
- **Operation Modes** Virtual COMport
- **Configuration** Configuration utility
Port mapping utility

Mechanics

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

General

- **Certifications** CE, FCC class B
- **LED Indicators** WLAN: Active, Quality
Serial: Tx, Rx
System: Status, Power

Power

- **Power Input** Unregulated 10 to 30 V_{DC}
- **Power Consumption** 4 Watt

Environment

- **Operating Temperature** 0 ~ 55° C (32 ~ 131°F)
- **Storing Temperature** -20 ~ 80° C (-4 ~ 176°F)
- **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