ADAM-4570W
ADAM-4571W

2-port RS-232/422/485 to 802.11b/g WLAN Data Gateway

1-port RS-232/422/485 to 802.11b/g WLAN Data Gateway

NEW

CE FCC

Features

- Supports 802.11g and 802.11b
- 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® NT/2000/XP drivers
- 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 802.11 b/g 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 802.11g/b wireless LAN network. Therefore, ADAM-4570W and ADAM-4571W can be used in security systems, factory automation, SCADA, transportation and more.

Specifications

Ethernet Communications
- **Compatibility**   IEEE 802.11g and 802.11b
- **Speed**   54/11 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$_{ESD}$

Software
- **Driver Supported** Windows 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 (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 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-AE**   1-port RS-232/422/485 to WLAN Data Gateway (802.11b) (1 pcs of 1m RJ-48 to male DB9 RS-232/422/485 cable included)
- **ADAM-4570W-AE**   2-port RS-232/422/485 to WLAN Data Gateway (802.11b) (2 pcs of 1m RJ-48 to male DB9 RS-232/422/485 cable included)
- **ADAM-4571W-BE**   1-port RS-232/422/485 to WLAN Data Gateway (802.11b/g) (1 pcs of 1m RJ-48 to male DB9 RS-232/422/485 cable included)
- **ADAM-4570W-BE**   2-port RS-232/422/485 to WLAN Data Gateway (802.11b/g) (2 pcs of 1m RJ-48 to male DB9 RS-232/422/485 cable included)