

Air-485™

WIRELESS RS-485 MODEM



Simple Secure Wireless

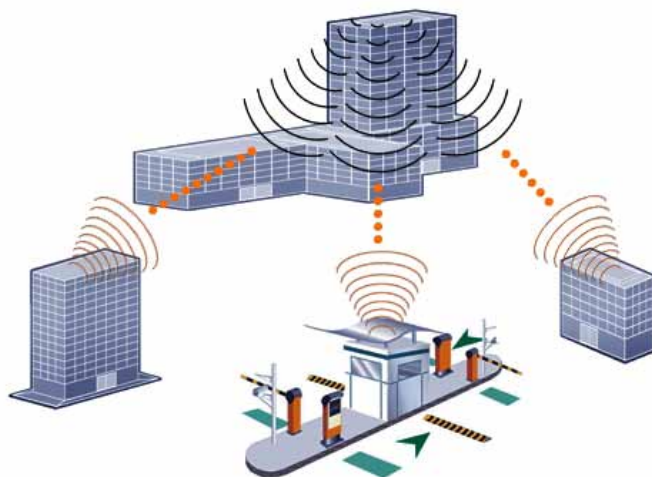
Introducing a wireless RS-485 communications device that is compatible with any RS-485 product on the market. The perfect solution for those installations where wired connections are cost prohibitive. Configured using simple DIP switch settings, Air-485™ has a built-in signal strength indicator to assist you in a quick and easy installation. Air-485™ supports Point-to-Point and Point-to-Multipoint network topologies with incredible ranges and reliability.



Cutting edge simplicity

Air-485™

WIRELESS RS-485 MODEM



Features & Benefits

- Works with **any 2-wire RS-485 product**
- Indoor/Urban: 900 MHz: 400 m (1300 ft.) / 2.4 GHz: 100 m (335 ft)
- Line-of-sight: 900 MHz: 10 km (6.2 miles) / 2.4 GHz: 1.6 km (1 mile)
- 900 MHz / 2.4 GHz Frequency Hopping Spread Spectrum (FHSS)
- Supports baud rate of 4800 kbps, 9600 kbps, 19200 kbps and 38400 kbps. Configurable via DIP switches
- 128-bit AES encryption
- Ideal for installations where wired connections are cost prohibitive
- Supports USB and RS-485 connection with auto detect
- Supports point-to-point and point-to- multipoint network topologies, as well as multiple networks per site
- Built in signal strength indicator LEDs simplify device setup and placement

SPECIFICATIONS

Size	112.5 mm x 87.5 mm x 25 mm [4.4 in x 3.4 in x 1 in]
Weight	225 g [8 oz]
Operating Temperature	-40°C to +85°C [-40°F to +185°F]
Environment	Indoor (outdoor version available in Nema enclosure)
Frequency	900 MHz FHSS / 2.4 GHz FHSS
Baud Rate	4800 / 9600 / 19200 / 38400 kbps (Selectable via DIP switches)
RF Channels	50
Power	USB or 12 VDC@1A (with optional power supply)
Warranty	5 years
Certifications	FCC, CE

Wireless Simplified

One of the biggest challenges in setting up a wireless system is determining the optimum placement of the RF modems to obtain the right balance of range and signal strength. The **Air-485™** RF modem contains three LEDs which provide a simple visual indication of signal strength. No meters or other equipment required for the installation. Because the **Air-485™** modems are totally separate from the wired or wireless LAN, there is no need to configure complex network parameters or involve any IT departments.



Typical Configuration

