

SRM6210E

ETHERNET RADIO MODEM-900 MHz ISM BAND

WIRELESS ETHERNET MODEM-900MHz BAND



FEATURES

- License-free and wireless—operates in the 902-928 MHz ISM (industrial/scientific/medical) band
- Compact, flexible design with universal mounting—back panel or on optional DIN rail clip
- Rated range of up to 25 miles (40 km) and an installed range of up to 35 miles (56 km) in optimal conditions with line-of-sight and an omni directional antenna—farther with Repeaters or higher gain antennas
- Employs Smart Spectrum™ frequency hopping technology for exceptional data integrity—even in high interference environments
- Wirelessly connects Ethernet PLCs and workstations
- Factory or field configured for your application—ensuring trouble-free installation
- User configurable for Master, Remote, Repeater or Repeater/Remote mode
- Front panel LEDs. Power, RF Link, RF In, RF Out, LAN In, LAN Out, LAN Link, LAN Collision, Overrun Error
- PLC slot mount versions also available

Data-Linc Group's SRM6210E Wireless Ethernet Modem offers superior reliability, versatility and performance. The SRM6210E is factory pre-configured for easy, hassle-free installation. It offers an unsurpassed rated range of up to 25 miles (40 km) and an installed range of up to 35 miles (56 km) in optimal conditions with line-of-sight and an omni directional antenna, farther with Repeaters and/or higher gain antennas. Based upon proven technology, the SRM6210E adds flexibility to system design by providing a highly reliable wireless alternative in a compact package.

The SRM6210E employs Smart Spectrum™ frequency hopping spread spectrum (FHSS) technology in the 902-928 MHz frequency band for secure, robust communication. Data-Linc Group's FHSS technology, coupled with 32-bit CRC error detection, enables the SRM6210E to reliably deliver critical information.

RF site surveys are usually unnecessary and an FCC site license is not required. The SRM6210E wireless technology eliminates the need for hard wire or fiber cable, which are often expensive and difficult to install.

The SRM6210E offers easy to read LEDs and affords maximum installation flexibility, including optional DIN rail mounting. The SRM6210E can bridge two Ethernet segments or connect multiple Ethernet nodes to a Master PLC. The SRM6210E offers a 10BaseT (UTP) interface to the Ethernet device, uses MAC layer filtering and fully supports most Ethernet protocols for true protocol transparency.

The SRM6210E supports a number of configurations, including point-to-point and point-to-multipoint as well as multiple Repeaters if required. Multipoint operation permits an unlimited number of Remotes. The SRM6210E can also function as a Repeater/Remote to extend range or work around obstructions. Back-to-back radio modems are not required for Repeater function but can be used to maximize data throughput.

