

SRM6310E

ETHERNET RADIO MODEM-2.4 GHz ISM BAND

WIRELESS ETHERNET MODEM-2.4 GHz BAND



FEATURES

- License-free and wireless—operates in the 2.4-2.4835 GHz ISM (industrial/scientific/medical) band
- Compact, flexible design with universal mounting—back panel or on optional DIN rail clip
- Rated range of up to 10 miles (16 km) in optimal conditions with line of sight—farther with Repeaters and/or high gain antennas
- Employs Smart Spectrum™ frequency hopping technology for exceptional data integrity—including 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
- Superior noise immunity, higher power output and better receiver sensitivity compared to other 2.4 GHz wireless systems
- PLC slot mount models and European Union versions also available

Data-Linc Group's SRM6310E Wireless Ethernet Modem offers superior reliability, versatility and performance. The SRM6310E is factory pre-configured for easy, hassle-free installation. It offers an unsurpassed rated range of up to 10 miles (16 km) with line-of-sight and an omni directional antenna, farther with Repeaters and and/or a high gain antennas. Based upon proven technology, the SRM6310E adds flexibility to system design by providing a highly reliable wireless alternative in a compact package.

The SRM6310E employs Smart Spectrum™ frequency hopping spread spectrum (FHSS) technology in the 2.4- 2.4835 GHz frequency band for secure, robust communication. Data-Linc Group's FHSS technology, coupled with 32-bit CRC error detection, enables the SRM6310E to reliably deliver critical information.

RF site surveys are usually unnecessary and an FCC site license is not required. The SRM6310E wireless technology eliminates the need for hard wire or fiber cable, which are often expensive and difficult to install.

The SRM6310E offers easy to read LEDs and affords maximum installation flexibility, including optional DIN rail mounting. The SRM6310E can bridge two Ethernet segments or connect multiple Ethernet nodes to a master PLC. The SRM6310E offers a 10BaseT (UTP) interface to the Ethernet device, uses MAC layer filtering and fully supports most Ethernet protocols for true protocol transparency.

The SRM6310E supports a number of configurations, including point-to-point, point-to-multipoint as well as multiple Repeaters if required. Multipoint operation permits an unlimited number of Remotes. The SRM6310E 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.

