

# SRM6100

## SERIAL RADIO MODEM FOR THE 2.4 GHz BAND

WIRELESS SERIAL MODEM-2.4 GHz BAND



### FEATURES

- License-free and wireless—operates in the 2.4-2.4835 GHz ISM (industrial/scientific/medical) band
- Rated range of up to 15 miles (24 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
- Factory or field configured for your application—ensuring trouble-free installation
- User configurable for Master, Remote, Repeater or Remote/Repeater mode
- Frequency key options allow for different systems to operate simultaneously in close proximity
- PLC slot mount models and European Union versions also available

Data-Linc Group's wireless, license-free SRM6100 Serial Modem offers superior reliability, versatility and performance for wireless serial transmission. The SRM6100 is factory pre-configured for easy, hassle-free installation. It offers an unsurpassed rated range of up to 15 miles (24 km) with line-of-sight and omni directional antennas, farther with Repeaters and/or high gain antennas.

The SRM6100 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 SRM6100 to reliably deliver critical information.

RF site surveys are usually unnecessary and an FCC site license is not required. The SRM6100 wireless technology eliminates the need for hard wire or fiber cable, which is often expensive and difficult to install.

The SRM6100 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 SRM6100 can also function as a Repeater/Remote to extend range or communicate around obstructions. Back-to-back radio modems are not required for Repeater function.

### APPLICATIONS

- PLCs located on moving platforms, overhead cranes and turntables or other revolving equipment
- Remote PLC programming
- SCADA systems, such as water/wastewater, utilities and oil/gas systems
- Underground or off-shore communications
- High RFI environments (e.g., steel, manufacturing)
- Industrial automation machine control on plant floors

