SCADA Pro 900XL • Advanced SS Data Modem

The SCADA Pro 900XL is a low cost, high performance spread spectrum data modem. A dual RS-232/RS-485 interface makes its installation and use quick and easy. The modem is FCC and Industry Canada approved.

Key Benefits

- Low cost
- Small footprint
- Fast throughput (100kbps RF data rate)
- Powerful Windows™ based path management software detects interference and signal integrity
- Transparent or Guaranteed Point-to-Point or Point-to-Multi-Point data delivery modes
- Field upgradeable
- Programmable as a system repeater and endpoint for extended range

Applications

- HVAC control
- Camera PTZ control
- Vending
- SCADA systems
- Wireless Network Nodes
- Security systems
- Industrial controls
- Field area networks
- Most any application currently using an RS-232 or RS-485 serial connection

Specifications

Frequency .... 902-928 MHz
Frequency Control ....PLL Synthesizer
Transport ....Transparent
Point-to-Point
Point-to-Multipoint
Multipoint-to-Multipoint
Broadcast and Guaranteed Delivery
Smart Mode (routable)
Data Interface ....Asynchronous TTL
Hopping Channels............... up to 50 depending on country
Configuration.................................. Windows™ Application
Addressing .... 65,025 Unique Addresses
Duty Cycle.........................100% Receive, 100% Transmit
Data Interface Rate 1200, 2400,4800,
.... 9600,19.2k,56k bps, 7-8 bit, even or odd parity
Temperature .... -30 to +70 °C
Data Encryption...8 – 448 bit
Range* ....up to 30 miles
Data Encoding ....Proprietary Method
Receiver Sensitivity ....-105 dBm usable
Modulation ....Direct FM (FSK)
RF Data Rate.. 100 kbps
Data Flow Control ....Hardware using CTS
Transmitter Output ....1 Watt
Error Detection ....16-bit CRC
Input Voltage ....9 – 28 VDC
Input Current (1 Watt) .... 115mA Receive Mode @ 12V
75 mA Receive Mode @ 24V
910 mA Transmit Mode @ 12V
450 mA Transmit Mode @ 24V

Regulatory

United States (FCC) ....CFR 15.247 Approved
Canada (IC) .... RSS210 Approved

Mechanical

Size .... 3.5 x 6.0 x 1.75″
Antenna Connector ....Reverse SMA

Interface

- RS-232/485 (Standard)

Ordering Options

- 1 Watt Transmit Power (p/n SCADA Pro 900-1000)
- 200 mWatt Transmit Power (p/n SCADA Pro 900-200)
- 28 Volt (200mW unit only, p/n OPT-28)