EN1941XS One-Way Serial Data RF Module

The EN1941XS one-way serial data RF module provides reliable low-cost, low-power serial wireless communication for integrators. The EN1941XS is a universal one way RF module that allows for the transmission of up to 50 bytes of user defined serial data. This module connects to a serial interface to transmit variable data such as temperature, humidity, pressure, or liquid levels to a head end application controller.

Product Features

- Easy to integrate
- Low current draw

Product Specifications

Dimensions:	2.525"x 1.3" x .5"
Timing requirements:	All data is sent at a default rate of 9600 baud, no parity, 8 data bits and one stop bit. The data is transmitted least significant bit first.
Power requirements:	The EN1941XS one-way serial data RF module has an on-board voltage regulator. Connect power cabling to an external power supply (Vcc) of 2.4 to 5.5 volts. Voltage must be sustained at 2.4 volts or above and supply 100 milliamps during the transmit cycle.
Transmit current:	150 mA
Recieve current:	30 mA
Data:	Positive logic, 9600 bps, eight data bits, one stop bit, no parity, least significant bit first.
Payload size:	180 bytes maximum
Operating environment:	
Temperature:	-4 to 140°F
Humidity:	Up to 90% (non-condensing)
Market:	North America
EchoStream® frequency:	902-928 MHz, frequency hopping spread spectrum
Regulatory compliance:	FCC, RoHS, UL 2560[1]

Reference Materials (available at www.inovonics.com)

EE1941XS/EN1941XS One-Way Serial RF Module Installation and Operation Manual

One-Way Serial Data RF Module Developer Guide

- The range and performance of any wireless product depends on the structure and environment in which it operates.
- Continual enhancements to our products may cause specifications to change without notice.
- Patents: 7,154,866; 7,554,932; 7,746,804; others pending.

[1] Partners must achieve emergency call system certification from a nationally recognized testing laboratory to claim compliance with UL 2560.The EN1941XS one-way serial data RF module must be programmed with a check-in interval of 60 minutes or greater to comply with UL 2560 network reliability guidelines.