



EN3942XS Two-Way Serial Data RF Module

The Inovonics two-way serial data RF module is a line powered two-way serial data transceiver, designed to physically interface with your product as a daughter board for use in the Inovonics EchoStream RF network. Serial data sent to the module from your remote application controller is formatted by the transceiver, and the data is then transmitted through the network. Likewise, RF messages received are formatted and sent as serial data to your remote application controller device.

Product Features

Easy to integrate

Low current draw

Product Specifications

Dimensions:	3.229" x 1.529" 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 EN3942XS two-way serial data RF module has an on-board voltage regulator. Connect power cabling to an external power supply (Vcc) of 3.6 to 5.5 volts.
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)

Two-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 EN3942XS two-way serial data RF module is a supplemental device that is allowed for use in a UL 2560 certified system, but does not carry the UL 2560 unlisted component certification. It must be programmed with a check-in interval of 60 minutes or greater to comply with UL 2560 network reliability guidelines.

