



Actual Size

Bunker Busting 900 MHz

The Sure-Fi Wireless Radio Module is a high performance modular solution available for the IOT/M2M industries.

Easily integrate Bunker Busting technology into your product using our patented Sure-Fi Wireless Radio Module.

FEATURES

- Simple UART Interface
- Programmable radio and power output settings
- Configurable to obtain optimal balance between range and data rate
- Integrated Bluetooth Module
- Receive signal through obstruction and interference
- Pre-certified with FCC (USA) and IC (Canada)

Radio Module

SPECIFICATIONS

- **OPERATING VOLTAGE:**
5 VDC +/- %5
- **TRANSMIT POWER:**
1 Watt (30dBm)
- **FREQUENCY BAND:**
902 - 928Mhz
- **CHANNELS:**
72 (Frequency Hopping)
- **RECEIVER SENSITIVITY:**
-133dBm
- **LINK BUDGET:**
163dB
- **RANGE:**
Up to 1 mile through obstructions
and 50+ miles line-of-sight
- **OPTIONAL ENCRYPTION:**
AES128
- **OPERATING TEMPERATURE:**
-40 C to +85 C (-40 F to +185 F)
- **STORAGE TEMPERATURE:**
-55 C to +125 C (-67 F to +257 F)
- **I/O:**
2 UART Interfaces (Radio and
Bluetooth Modules)
- **BLUETOOTH MODULE**
- Nordic nRF52 Series