



Models

- Remote Shutdown
- Modbus
- Mirroring

Potted electronics, a high-gain antenna, and a multi-mount aluminum base all contained in a high-impact polycarbonate “Stick”.

Features and Capabilities

- Long range: 3+ miles
- Provides a wireless interface to remote Modbus devices
- Message-forwarding capability
- Rugged design for demanding outdoor environments
- Low power consumption
- Simple to install and maintain

“In a Stick” module can be configured via the SignalFire Toolkit software for RSD, Modbus, or Mirroring applications.

Control Modules

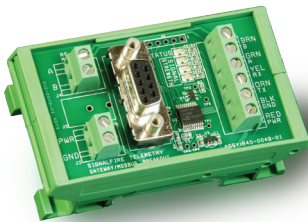
- RSD (see next page)
- Multi-IO Module (MIOM)
 - 8 analog inputs
 - 6 digital inputs
 - 4 relay outputs

Modbus

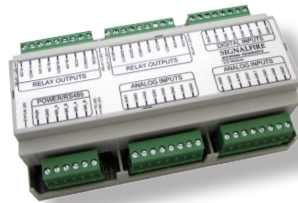
- RS485 interface (RS232 available)
- Automatically reads and transmits sensor registers at user-definable intervals
- Writes modbus registers

Mirroring

- Mirrors the configured data-registers from gateway
- Gateway data available to be read by RTU device



SignalFire Breakout Board connects easily for modbus applications.



Multi-IO Module (MIOM)

TECHNICAL SPECIFICATIONS

OPERATING TEMP	-40C to 70C
HUMIDITY	0% – 100% condensing
POWER	6-36 VDC
DATA INTERFACE	Modbus RS485
DATA UPDATE RATES	User configurable with configuration utility
RADIO POWER	500 mW
ANTENNA TYPE	Omnidirectional
ANTENNA GAIN	5dB
RECEIVE SENSITIVITY	-105 dB
FREQUENCY	902-928 MHz license-free ISM band compliant with FCC Part 15

RANGE	3+ miles (line of sight)
NETWORKS	Up to 64 separate networks
ENCLOSURE	Weather-tight integrated electronics and antenna
INTERNAL DIAGNOSTICS	Line voltage, Signal strength, Error conditions
SAFETY RATING	Non-insensitive, Class 1 Division 2 groups C and D, T5 (Modbus version)

Modbus-in-a-Stick Standard Configuration Order Codes	
Interface	Order Code
RS485	MBS-CBBL
MIOM	MBS-MOIM-CBBL