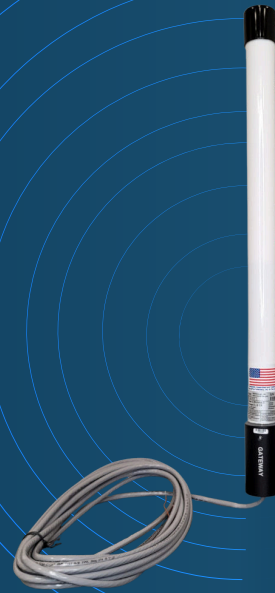


GATEWAY STICK

Integrated High-Gain Antenna

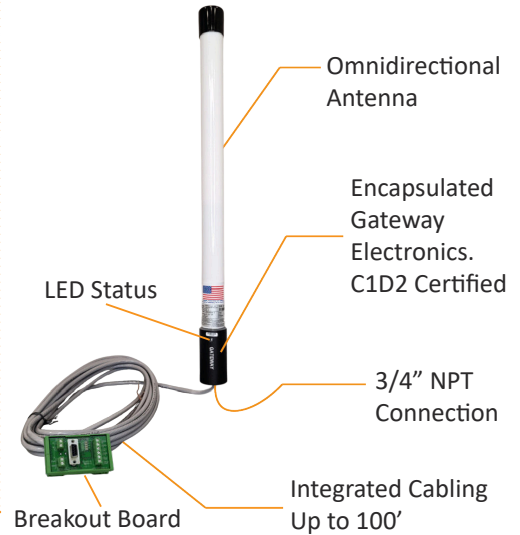
- CLASS 1 DIVISION 2 CERTIFIED
- RUGGED DESIGN
- LONG RANGE OF 3+ MILES
- BUILT-IN AUTOMATION
- EASE OF INSTALLATION
- LOW POWER CONSUMPTION



FEATURES

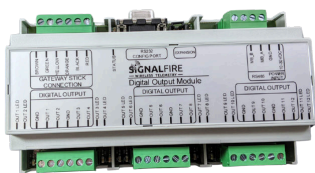
- Modbus interface (RS485 RTU or Modbus TCP with optional Ethernet Gateway Interface Module)
- Long range: 3+ miles
- Modbus server: provides data in Modbus format
- Manages outbound communications
- Low power consumption
- Integrated high-gain omnidirectional antenna, gateway electronics and cabling
- Supports wireless configuration of remote nodes and HART devices with PACTware, Fieldcare, or Radar Master
- Supports SignalFire nodes as a star or mesh network
- Rugged outdoor design - does not require a lightning arrestor
- Easy to program internal logic for control applications

DESIGN OVERVIEW

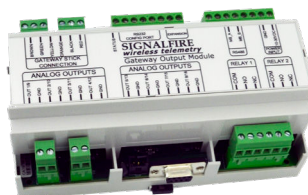


INTERFACE MODULES

12 DO Output Module for use with Gateway Stick. Provides 12 relays controlled by remote SignalFire nodes. For use with valve monitoring applications.



Analog /Relay Output Module maps any type of sensor reading to an analog or relay output, ideal for retrofit applications.



Ethernet Interface Module provides Modbus-TCP connection and diagnostic interface for remote configuration.



GATEWAY STICK

Integrated High-Gain Antenna

TECHNICAL SPECIFICATIONS

Operating Temp

-40°F to 185°F (-40°C to 85°C)

Humidity

0% – 100% condensing

Power

6-36 VDC

Data Interface

RS-485 Modbus RTU, or Modbus-TCP.
All readings are converted to Modbus registers and stored in the gateway.

Radio Power

500 mW

Gateway Stick Antenna

Omnidirectional, 5dBi gain

Receive Sensitivity

-105 dB

Frequency

902-928 MHz license-free ISM band
compliant with FCC Part 15

Range

3 miles (typical)

Enclosure

Weather-tight, integrated electronics
and antenna, NEMA 4X

Safety Rating

Nonincendive, Class 1 Division 2 Groups
C and D, T5

Internal Diagnostics

Line voltage, signal strength, error
conditions, internal event logging

Gateway Stick Connection

3/4" NPT male connection
Available with 25', 50' or 100' cable

End Nodes

Supports up to 240 nodes

Mechanical Installation

Gateway Stick: 3/4" NPT

Current Draw

Gateway Stick or DIN GW:
25mA @ 12Vdc

Gateway Stick or DIN GW:
17mA @ 24Vdc

GW Stick with Enet Module:
85mA @ 12Vdc

GW Stick with Enet Module:
57mA @ 24Vdc

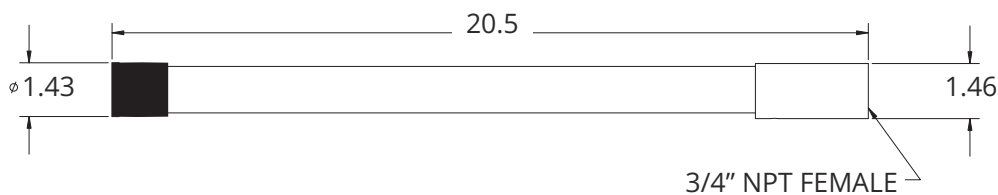
Weight

1.8 lb with 25' of cable

DIMENSIONS



Scale 1 : 4



GATEWAY STICK

Integrated High-Gain Antenna

HOW TO ORDER

