GATEWAY

Integrated Gateway and High-Gain Antenna

CLASS 1 DIVISION 2 CERTIFIED

RUGGED OIL FIELD PROVEN

LONG RANGE OF 3+ MILES

LOW POWER CONSUMPTION

Gateway-In-a-Stick

Gateway DIN Mount

FEATURES

- Modbus interface (RS485 RTU or Modbus TCP with optional Ethernet Gateway Interface Module)

- Long range: 3+ miles

- Stores all sensor data in Modbus format

- Manages outbound communications

- Low power consumption

- Integrated high-gain omnidirectional antenna and gateway electronics

- Supports wireless configuration of remote nodes and HART devices via PACTware or Radar Master

- Automatically configures as star or mesh network

- Designed for rugged outdoor environments

- Times out readings from off-line sensors

INTERFERENCE MODULES

Connector Breakout Board for use with Gateway-in-a-Stick. Provides DIN mounted connection point for wiring and configuration.

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.

MODELS

Gateway DIN Mount
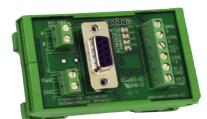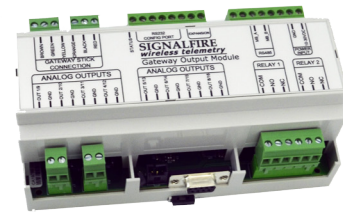Compact DIN mount gateway module with external RP-SMA antenna connection.

Gateway-In-a-Stick
Encapsulated electronics, high-gain antenna, and multi-mount aluminum base all contained in a high-impact polycarbonate "Stick".

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TECHNICAL SPECIFICATIONS

Operating Temp
-40ºC to 85ºC

Humidity
0% – 100% condensing

Power
6-36 VDC

Data Interface
RS-485 Modbus RTU, or Modbus-TCP, RS 232 for configuration. All readings are converted to Modbus registers and stored in the gateway.

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 (typical) much farther with careful placement

Networks
Up to 64 separate networks

Enclosure
Weather-tight, integrated electronics and antenna, NEMA 3R (GW Stick)

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

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

STANDARD CONFIGURATION ORDER CODES

INTERFACE	IO OUPUTS	ORDER CODE
RS 485 (Gateway-in-a-Stick)	None	GWS-CBBL
Modbus-TCP (Gateway-in-a-Stick)	None	GWSSTATICIP
RS 485 (Gateway-in-a-Stick)	8 Analog (4-20 mA/1-5V) and 2 Relays	GWS-8AO2DO
RS 485 (DIN Mount Gateway)	None	GW-DIN
Modbus-TCP (DIN Mount Gateway)	None	GW-DIN-STATICIP