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 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”.

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.
TECHNICAL SPECIFICATIONS

Operating Temp
-40°C to 85°C

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

GATEWAY
Integrated Gateway and High-Gain Antenna

STANDARD CONFIGURATION ORDER CODES

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