

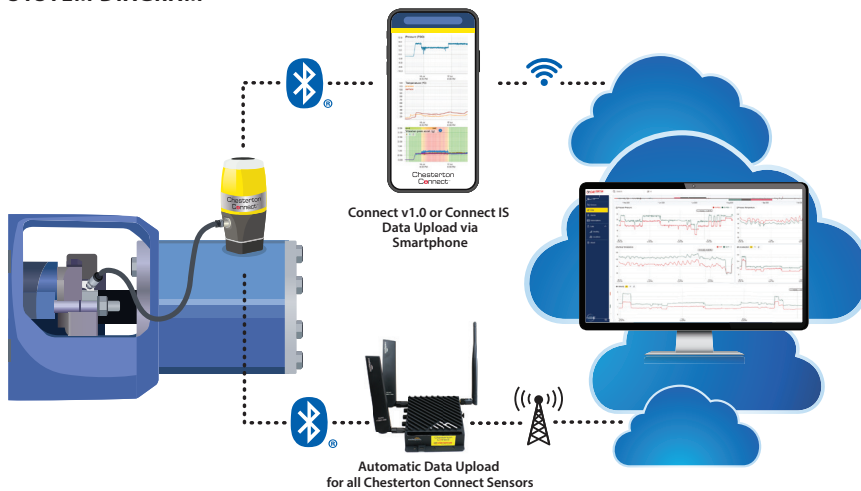
Chesterton Connect™ Universal Gateway

Automated Data Transfer for 24/7 Remote Monitoring

The Chesterton Connect™ Universal Gateway enables automatic data transfer from Chesterton Connect sensors to the Cloud. Utilizing the Chesterton Connect Cloud, the Universal Gateway facilitates remote monitoring of equipment to improve operations and equipment reliability.

The Universal Gateway has been optimized for 3G/4G/LTE and GSM cellular networks globally. The Gateway automatically connects to the strongest available cellular signal, eliminating manual configuration setup. Combining superior wireless signal strength with plant integration to SCADA systems, Ethernet bridging, and hazardous location support this Chesterton Connect Gateway offers a versatile solution that is easy to install and use worldwide.

SYSTEM DIAGRAM



Chesterton Connect™

Advantages:

- Easy to install and set up.
- Automatically connects to standard 3G/4G/LTE and GSM cellular networks.
- Supports up to 100 sensors.
- Ruggedized, industrial, compact design.
- Ethernet bridging for difficult installations.
- Plant integration using MODBUS TCP.
- Wi-Fi enabled for private setup or open networks.
- Supports Hazardous Class 1 Division II*.

Product Order Number:

North and South America P/N 434853
 Europe, Africa, Middle East, and Asia
 Pacific P/N 434854

Contents:

- Universal Gateway
- Installed Global SIM Card
- Communication Port Covers
- Global AC Power Supply
- Global Power Plugs
- Mounting Template and M4 Screws
- Bluetooth 2.4 GHz Antenna
- Cellular Antennas (QTY: 2)
- Optional DC Power Cable

SPECIFICATIONS

Chesterton Connect™ Universal Gateway Specifications

| | |
|----------------------------|--|
| Temperature | Operating range -30°C – 75°C (-22°F – 167°F) |
| Power | Input DC 12V; Power supply 100/240VAC |
| Wireless | Bluetooth® 5.1; Cat 7 LTE modem (3G fallback), Wi-Fi |
| Wired | 1 GbE Ethernet ports |
| Enclosure Rating | IP64 |
| Bluetooth Range to Gateway | Up to 400 m (1312 ft) |
| # Sensor Support | Up to 100 Chesterton Connect devices |
| Certifications | Safety: UL/cUL, EN62368-1 Materials: WEE, RoHS, California Prop 65 Shock/Vibration: MIL-STD-810G Hazardous: Class 1 Division 2, ATEX Zone 2/Zone 22 |
| Additional | Dual SIM slots for flexibility. Cellular fees included with Cloud subscription |

For additional information please contact Chesterton engineering at connect.support@chesterton.com.
 *Requires external NEMA enclosure for hazardous installations.

Featured Benefits

Ethernet Bridging

In areas without cellular service, run a single Ethernet cable up to 100 meters from the Gateway to a location with a cellular modem. Alternatively, use the Ethernet port for a secure, wired connection to the plant's guest network to transmit sensor data to the Cloud.

Plant Integration

Facilities can now access Cloud-based maintenance views while securely integrating with plant SCADA systems via the industry standard MODBUS TCP. Each sensor features a MODBUS register map, enabling SCADA programmers to map registers directly to their SCADA application.

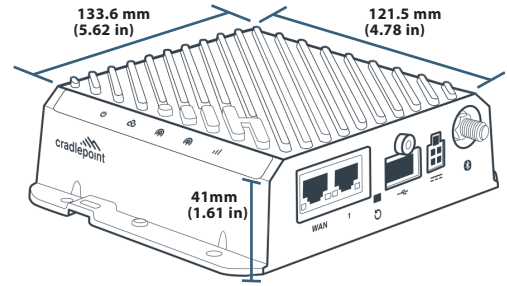
Hazardous Installations

The Universal Gateway is Class 1 Division 2 certified for Zone 2 locations when installed in a NEMA enclosure. When paired with the Chesterton Connect IS Intrinsically Safe sensor, your hazardous location can have a complete solution.

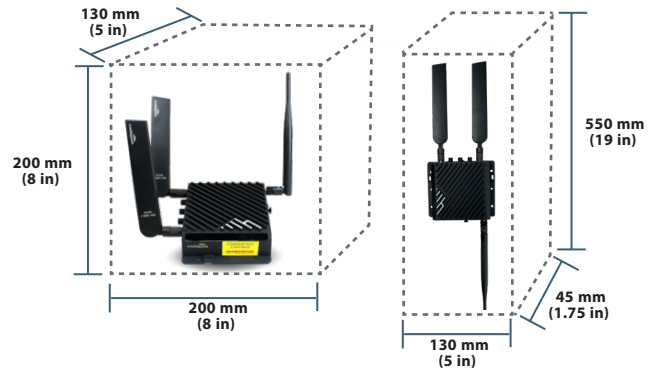
Wireless Expansion

Plant control and process systems can now expand their installations wirelessly. This easy, cable free sensor installation helps reduce expansions costs compared to traditional wired setups.






BASE DIMENSIONS



INSTALLATION SPACE NEEDED



Chesterton Connect Universal Gateway Compatibility

| Chesterton Connect v1.0 Sensor | Chesterton Connect IS Sensor | Chesterton Connect Gauge | Chesterton Connect Nano | Chesterton Connect Link (Ex Humidity Link) |
|---|---|---|--|---|
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