

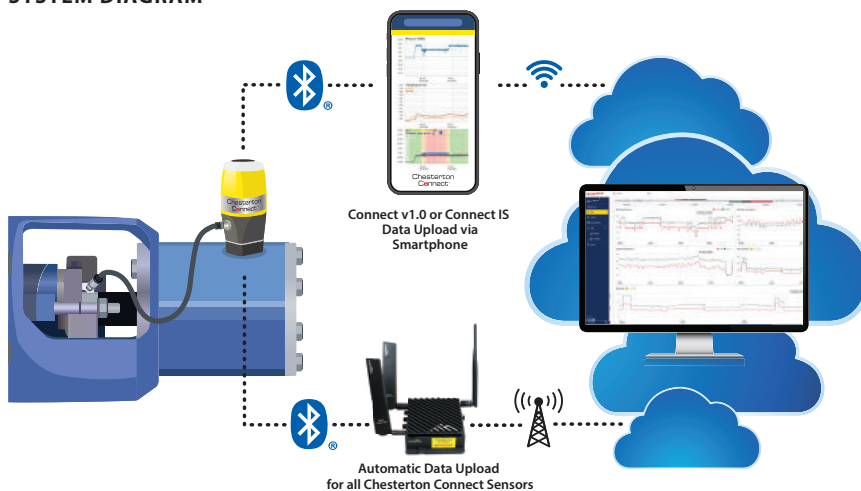
# Chesterton Connect™ Universal Gateway

## 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



### 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



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

# 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 reduces expansions costs compared to traditional wired setups.

## 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)
				

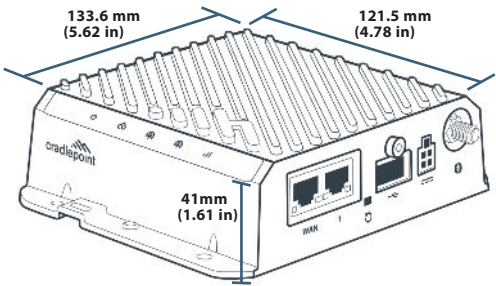
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### BASE DIMENSIONS



### INSTALLATION SPACE NEEDED

