

Monnit 4G LTE Cellular Gateway

General Description

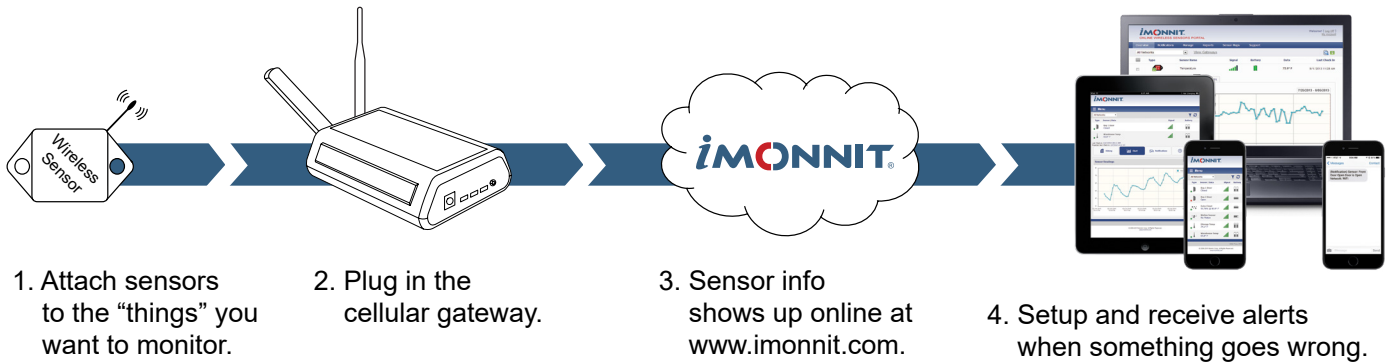
Monnit's LTE Cellular Gateway allows you to control a variety of settings for your sensors without additional IT infrastructure. All you need is a power source to monitor environmental and equipment changes utilizing Monnit's industry-leading devices. The 4G LTE Cellular Gateway communicates with sensors and iMonnit® online interface to deliver data alerting you to conditions in a surrounding area.

LTE Cellular Gateways operate using the 4G LTE CAT-M1/NB1 cellular technology. The LTE Cellular Gateway is a specialized device with an incredible range. This wireless IoT gateway accommodates multiple vertical IoT application segments with remote sensor management solutions. If your gateway is equipped with the 24-hour backup battery, your standard Monnit Wireless Sensors can then continue to communicate with the iMonnit system via a cellular transmission in the event of a power outage. The 4G LTE Cellular Gateway is ideal for applications without existing wired Internet connections.

Features

- True plug & play, no hassles for internet configuration set-up
- No PC required for operation
- Low-cost cellular service packages
- Remote software upgrade capability
- Local status LEDs with transmission and online status indicators
- Up to 50,000 sensor message memory
- AC power supply
- 24 hour battery backup in event of power outage
- Wireless Range: 250 – 300 ft. (non line-of-sight / indoors through walls, ceilings & floors) *

* Actual range may vary depending on environment.



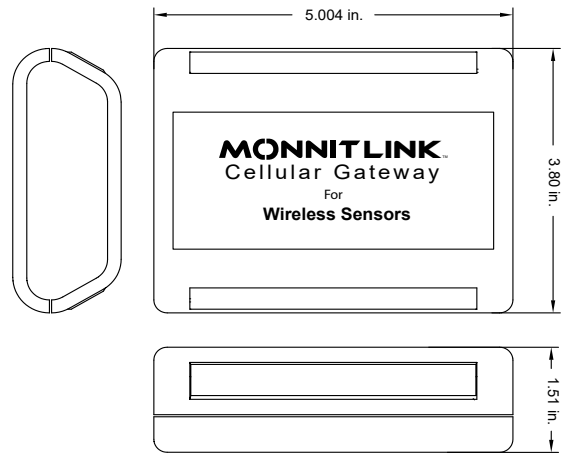
Example Applications

- Remote Location Monitoring
- Shipping and Transportation
- Agricultural Monitoring
- Vacant Property Management
- Vacation Home Property Management
- Construction Site Monitoring
- Data Center Monitoring

Data Sheet

Monnit 4G LTE International Gateway	2
Notes	3

Monnit 4G LTE Cellular Gateway



Technical Specifications

Models	
Cellular	MNG-9-LTE-CCE
Cellular	
Cellular Technology	LTE CAT-M1 LTE-only module for global use (AT&T, Verizon, Telenor, Hologram, Saskatel) Cat M1/NB1 deployed bands 2, 3, 4, 5, 8, 12, 13, 20, 28
SIM Card Compatibility	Micro-SIM (3FF) 15 mm x 12 mm x 0.76 mm
Power	
Input Power	5.5 VDC @ 1.0 A
Battery Backup	Battery Type: Rechargeable Lithium Polymer
	Battery Duration: Up to 24 hours
	Battery Cycle Life: 500 times
	Battery Safety: IEC62133
Mechanical	
LEDs	Cellular Status LED, Online Status LED, Sensor Network Status LED
Device Memory	Up to 50,000 sensor messages (Sensor messages will be stored in the event of Internet outage and transferred when connection is restored)
Enclosure	
Dimensions	5.004 x 3.8 x 1.51 in.
Weight	7 ounces
Environmental	
Operating Temperature	+5 to +45°C (41 to 113°F)
Storage Temperature	-20 to +60°C (-4 to 140°F)
Wireless	
Transmit Power (EIRP)	25 mW (900 MHz), 25 mW (868 MHz), 10 mW (433 MHz)
Antenna Type	Connector: SMA Gain: 4.0 dBi
Wireless Range	250 – 300 ft. (Indoors / Through walls, ceilings & floors) Range may vary according to environmental variables.*
Certifications	
	Safety: IEC 60950-1 and IEC 62368-1; EMC: IEC 55024, IEC 55032, IEC 301489-1, -3, -A, -52, FCC 47 CFR Part 15, subpart B and ICES - 001 Issue 6; RF: 900 MHz product includes model FCC ID: ZTL-G2SC1 / IC: 9794A-G2SC1 and FCCID: XPY2AGQN4NNN / IC: 8595A-2AGQN4NNN; 868 MHz product includes Module G2SC1 (IEC 300 220-1, -2); 433 MHz product includes Module G2SC2 (IEC 300 220-1,-2)

* Actual range may vary depending on environment.

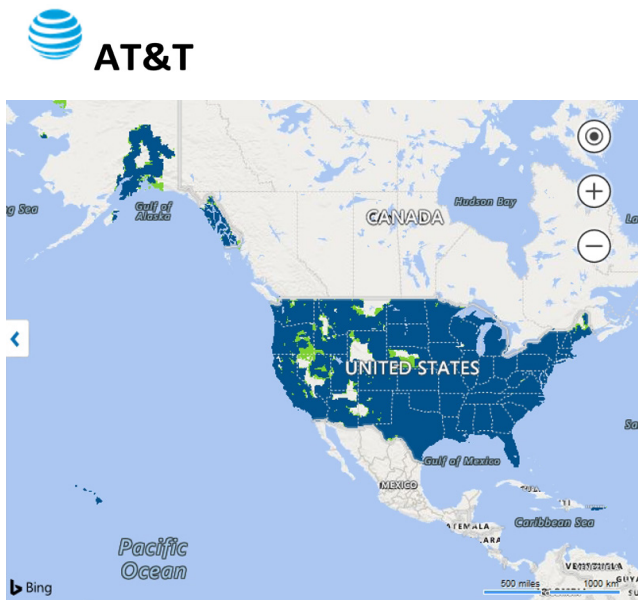
Commercial Grade Cellular Gateways:

Monnit commercial grade cellular gateways are designed for applications in ordinary environments (normal room temperature, humidity and atmospheric pressure). Do not use these gateways under the following conditions as these factors can deteriorate the product characteristics and cause failures and burn-out.

- Corrosive gas or deoxidizing gas – chlorine gas, hydrogen sulfide gas, ammonia gas, sulfuric acid gas, nitric oxides gas, etc.).
- Volatile or flammable gas.
- Dusty conditions.
- Under low or high pressure.
- Wet or excessively humid locations.
- Places with salt water, oils chemical liquids or organic solvents.
- Where there are excessively strong vibrations.
- Other places where similar hazardous conditions exist.

Use these product within the specified temperature range. Higher temperature may cause deterioration of the characteristics or the material quality.

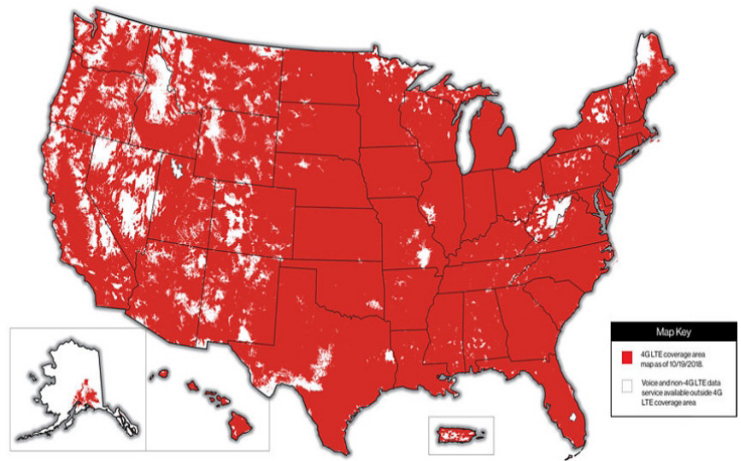
Coverage Maps:



This map shows an approximation of wireless data coverage in the United States, Puerto Rico, and U.S. Virgin Islands.

Current as of 04/12/2019

verizon



Current as of 04/12/2019

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For more information about our products or to place an order, please contact our sales department at 801-561-5555.

Visit us on the web at www.monnit.com.

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