

# MONNITLINK™

## 3G Cellular Gateway - North America

### Technical Overview



### General Description

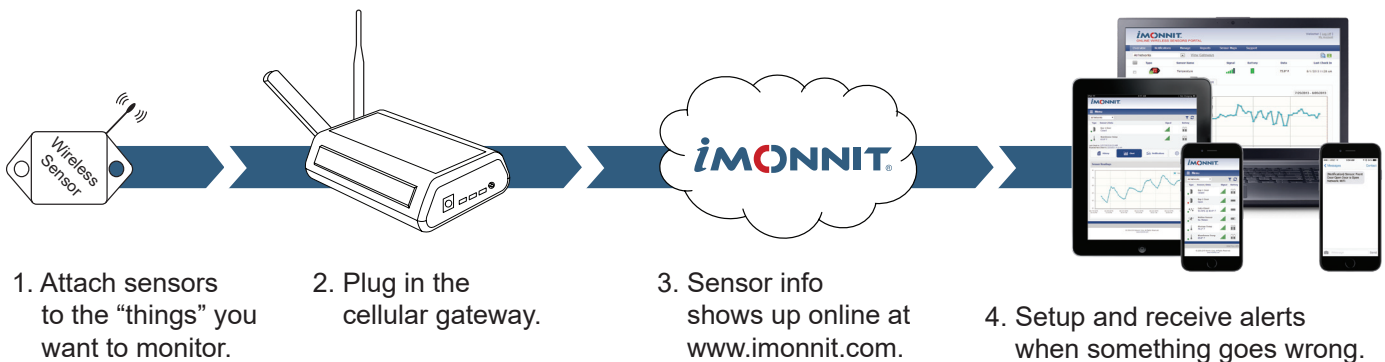
Don't have an existing network connection where you need it most? The MonnitLink™ 3G Cellular Gateway allows your Monnit Wireless Sensors to communicate with the iMonnit™ Online Wireless Sensor Monitoring and Notification System via cellular transmission. This is the perfect solution for remote locations, or where an existing internet connection is not an option.

The 3G cellular gateway is an advanced all wireless M2M gateway that enables fast time-to-market solutions for a wide range of M2M applications.

The gateway is based on tri-band UMTS (GSM/GPRS) cellular technology and comes integrated with Monnit's wireless access point network (WAN) for use with all Monnit wireless sensors.

Monnit's cellular gateways are specifically designed to respond to the increasing market need for global technology that accommodates a variety of vertical M2M application segments and remote wireless sensor management solutions.

### How The System Works



### MonnitLink™ CGW3 Features

- Compatible with various North American cellular providers
- Tri-Band UMTS (GSM/GPRS) (850 / 1700 / 1900 MHz)
- True plug & play, no hassles for internet configuration set-up
- No PC required for operation
- Remote software upgrade capability
- Local status LEDs with transmission and online status indicators
- 50,000 sensor message memory
- Watchdog function and on-line heart-beat control
- AC power supply

### Applications

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

## Monnit 3G Cellular Gateway - North America - Specifications

### Cellular

Cellular Technology	UMTS Frequency Range: 850 / 1700 / 1900 MHz
Antenna	Connector: SMA Gain (dBi): 1.5
SIM Card Compatibility	Mini-SIM (2FF) 25 mm x 15 mm x 0.76 mm


### Power

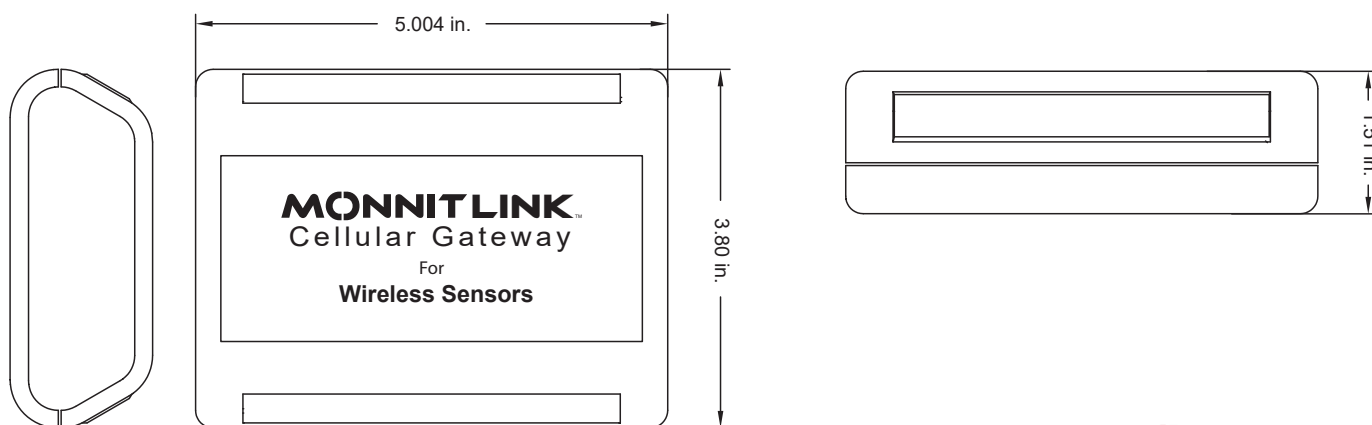
Input Power	5.5 VDC @ 2.5 A
Optional Battery Backup	Battery Type: Rechargeable Lithium Polymer
	Battery Duration: Up to 24 hours
	Battery Cycle Life: 500 times

### Mechanical

LEDs	Cellular Status LED, Online Status LED, Sensor Network Status LED
Device Memory:	50,000 sensor messages (Sensor messages will be stored in the event of Internet outage and transferred when connection is restored)
Enclosure	ABS
Dimensions	5.004 x 3.8 x 1.51 in.
Weight	7 ounces

### Environmental

Operating Temperature	-10 to +70 °C (14 to 158 °F)
Storage Temperature	-20 to +85 °C (-4 to 185 °F)
Certifications:	 FCC: ZTL- RFSC1 and FCC: RI7CE910-DUAL IC: 9794A-RFSC1 and IC: 5131A-CE910DUAL



**MONNIT**<sup>®</sup>

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](http://www.monnit.com).

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