MONNIT LINK™

Industrial Cellular Gateway

General Description

The Monnit Industrial Cellular Gateway (CGW) is an advanced all wireless M2M gateway that enables fast time-to-market solutions for a wide range of M2M applications. The Industrial CGW 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 industrial locations where there is no existing internet connection and environmental conditions may be wet or dusty.

Monnit's industrial 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. Monnit cellular gateways are available in CDMA, 3G or 2G cellular technologies to support a variety of cellular carriers and global locations.
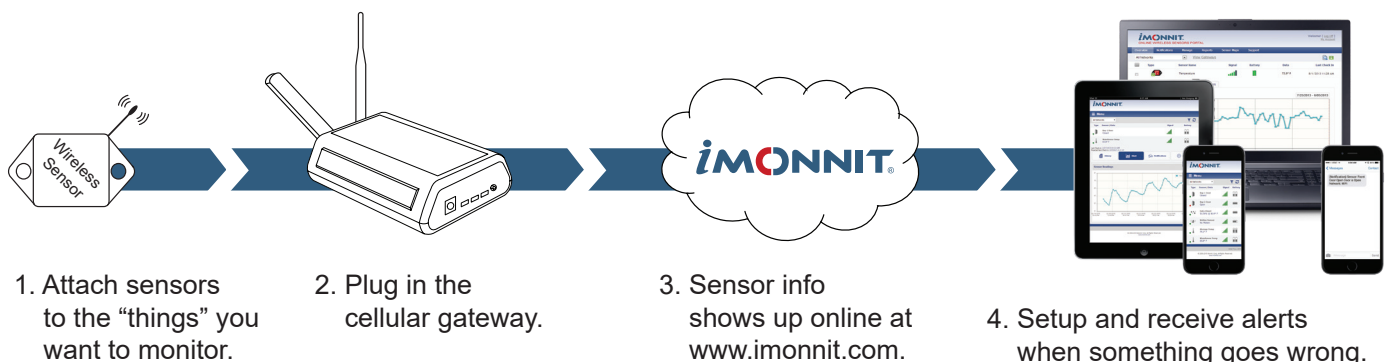
MonnitLink™ Industrial CGW Features

- Industrial, dust and weatherproof enclosure
- 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
- 50,000 sensor message memory
- Watchdog function and on-line heart-beat control
- AC power supply (rated for outdoor use)
- Available Cellular Technologies:
    - Dual Band CDMA
    - 3G UMTS
    - 2G GSM/GPRS

Applications

- Remote Location Monitoring
- Warehouse Monitoring
- Manufacturing and Production Monitoring
- Construction Site Monitoring
- Agricultural Monitoring
- Shipping and Transportation

How The System Works

1. Attach sensors to the "things" you want to monitor.
2. Plug in the cellular gateway.
3. Sensor info shows up online at www.imonnit.com.
4. Setup and receive alerts when something goes wrong.

Monnit Cellular Gateway Specifications

Cellular

Available Cellular Technologies	Dual Band CDMA (Frequency Range: 800 / 1900 MHz) 3G - UMTS (Frequency Range: 850 / 1700 / 1900 MHz) 2G - GSM / GPRS (Frequency Range: 850 / 900 / 1800 / 1900 MHz)
Antenna	Articulating Dipole, Connector: SMA, Gain (dBi): 1.5
SIM Card Compatibility	Mini-SIM (2FF) 25 mm x 15 mm x 0.76 mm

Power

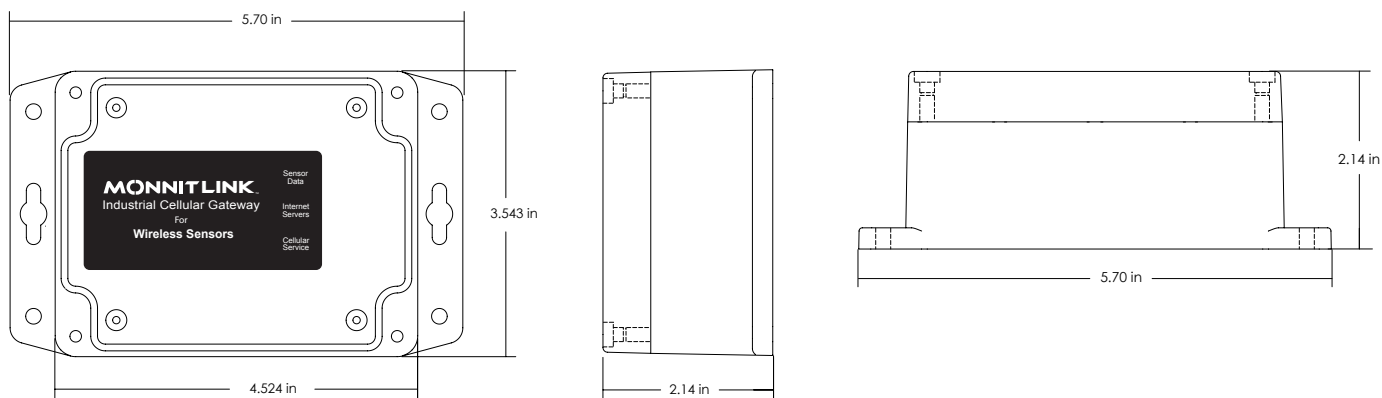|	
Power Supply	5.5 VDC @ 900 mA (rated for outdoor use)
Optional Battery Backup	Battery Type: Rechargeable Lithium Polymer
	Battery Duration: Up to 24 hours
	Battery Cycle Life: 500 times

Mechanical

LEDs	Cellular Status LED, Online Status LED, Sensor Network Status LED
Device Memory:	50,000 sensor messages (messages will be stored in the event of Internet outage and transferred when connection is restored).
Enclosure	NEMA 1, 2, 4, 4x, 12 and 13 rated, sealed and weather proof Monnit's NEMA rated enclosures are constructed for both indoor or outdoor use and protect the enclosed circuitry against the ingress of solid foreign objects like dust as well as the damaging effects of water (rain, sleet, snow, splashing water, and hose directed water).
Dimensions	5.70 x 3.543 x 2.14 in.
Weight	12 ounces

Environmental

Operating Temperature	-10 to +70 °C (14 to 158 °F)
Storage Temperature	-20 to +85 °C (-4 to 185 °F)
Certifications:	FC CE Industry Canada

CGW2 CDMA	FCC: ZTL- RFSC1, FCC: MIVCNN0301	IC: 9794A-RFSC1 and IC: 4160a-CNN0301
CGW3 CDMA	FCC: ZTL- RFSC1, FCC: RI7CE910-DUAL	IC: 9794A-RFSC1 and IC: 5131A-CE910DUAL
CGW3 3G	FCC: ZTL- RFSC1, FCC: RI7HE910NA	IC: 9794A-RFSC1 and IC: 5131A-HE910NA
CGW3 2G	FCC: ZTL- RFSC1, FCC: RI7GE910	IC: 9794A-RFSC1 and IC: 5131A-GE910

MONNITLINK
Industrial Cellular Gateway
For
Wireless Sensors

Sensor Data
Internet Servers
Cellular Service

5.70 in
4.524 in
3.543 in
2.14 in
2.14 in
5.70 in

MONNIT®

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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