

MiSensors

Cellular Gateway

Technical Overview



General Description

Don't have an existing network connection where you need it most? The MiSensors Cellular Gateway allows your MiSensors wireless sensors to communicate with the MiSensors 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 new cellular gateway is an advanced all wireless M2M gateway that enables fast time-to-market solutions for a wide range of M2M applications.

The MiSensors Cellular Gateway is based on the latest Dual-band CDMA wireless engine and comes integrated with MiSensors wireless access point network (WAN) for use with all MiSensors wireless sensors.

MiSensors Cellular Gateway is 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



1. Attach sensors to the "things" you want to monitor.

2. Plug in the cellular gateway.

3. Sensor info shows up online at login.misensors.com

4. Setup and receive alerts when something goes wrong.

MiSensors Cellular Gateway 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
- 50,000 sensor message memory
- AC power supply
- Optional 24 hour battery backup in event of power outage
- Dual Band CDMA (800/1900 MHz)

Applications

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

KNOW BEFORE IT'S A PROBLEM

MiSensors Cellular Gateway Specifications

Cellular

Carrier	Verizon Wireless
CDMA	Dual Band CDMA Frequency Range: 800 / 1900 MHz
Antenna	Connector: SMA Gain (dBi): 1.5


Power

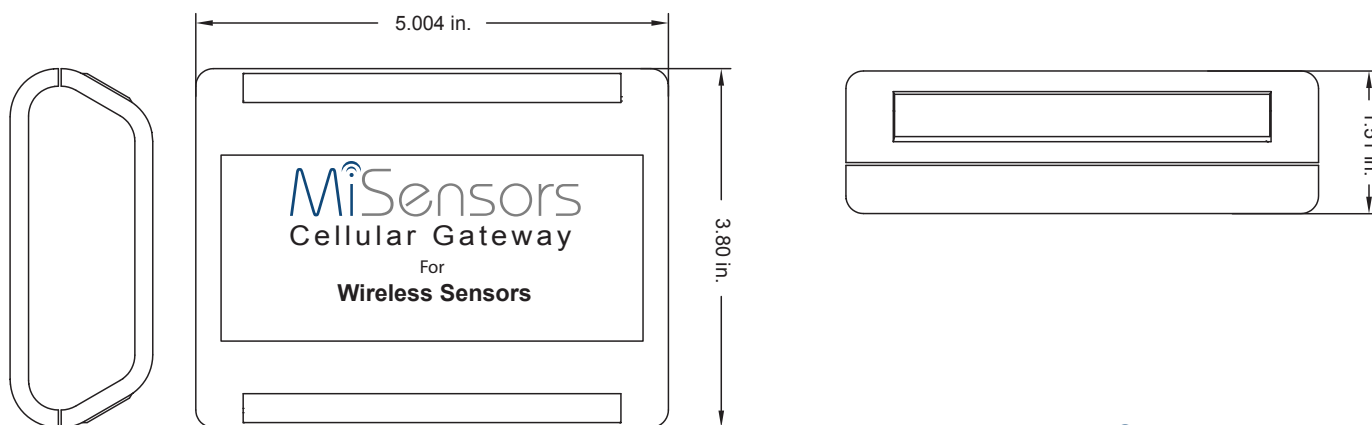
Input Power	5.5 VDC @ 900 mA
Optional Battery Backup	Battery Type: Rechargeable Lithium Polymer
	Battery Duration: Up to 24 hours
	Battery Cycle Life: 500 times

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: MIVCNN0301 IC: 9794A-RFSC1 and IC: 4160a-CNN0301



MiSensors

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