

3G Cellular Gateways (North America)



General Description

Don't have an existing network connection where you need it most? The ALTA 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 ALTA Cellular Gateway is an advanced all wireless M2M gateway that enables fast time-to-market solutions for a wide range of M2M applications.

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

Monnit's ALTA 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.

Example Applications

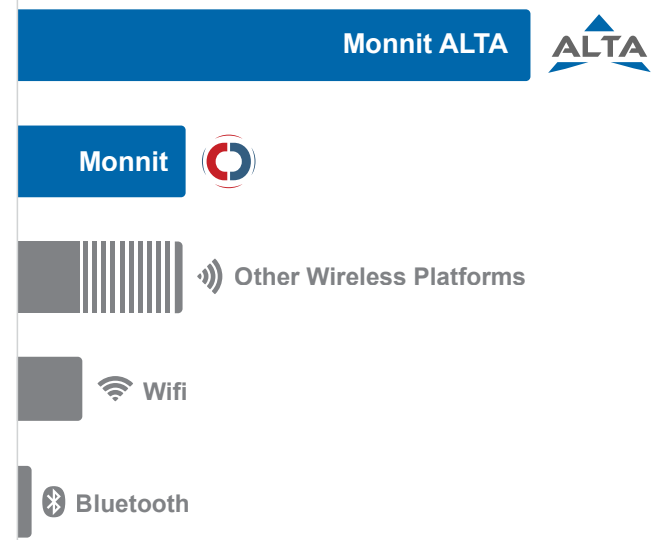
- Remote Location Monitoring
- Shipping and Transportation
- Agricultural Monitoring
- Vacant Property Management
- Vacation Home Property Management
- Construction Site Monitoring
- Data Center Monitoring

ALTA Cellular Gateway Features

- Wireless range of 1,200 feet through 12-14 walls *
- Frequency Hopping Spread Spectrum (FHSS)
- Improved interference immunity
- Security (Diffie-Hellman Key Exchange + AES-128 CBC for sensor data messages)
- 50,000 sensor message memory
- Over the air updates (future proof)
- Compatible with various North American Cell Carriers
- True plug & play, no hassle set-up
- No PC required for operation
- Low-cost cellular service packages
- Local status LEDs with transmission and online status indicators
- AC power supply
- Optional 24 hour battery backup in event of power outage
- Tri-Band UMTS (GSM/GPRS) (850 / 1700 / 1900 MHz)

* Actual range may vary depending on environment.

Wireless Range Comparison



ALTA 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

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)

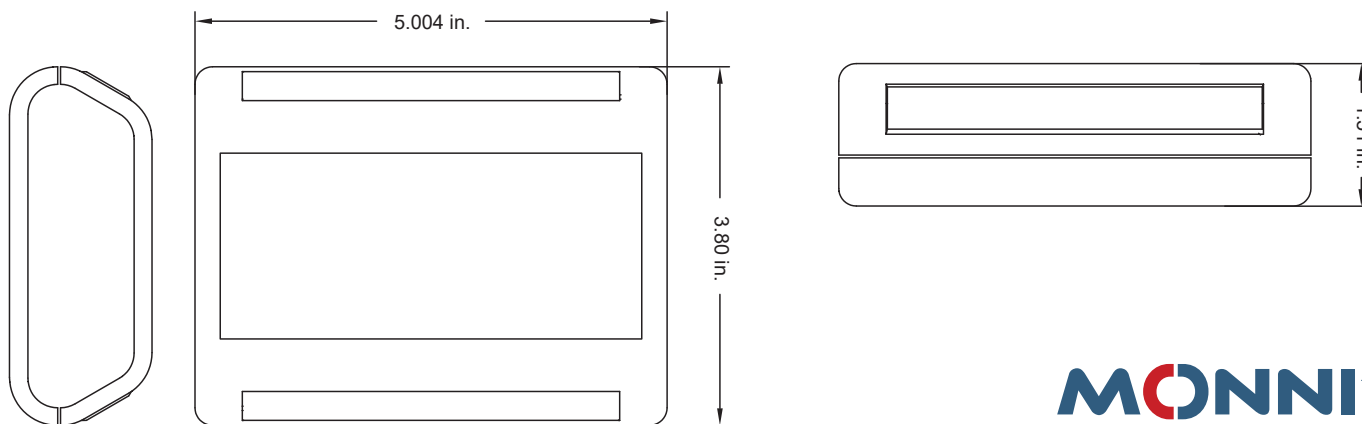
Wireless

Wireless Range	Up to 1,200 ft. non-line-of-sight
Security	Diffie-Hellman Key Exchange + AES-128 CBC

Certifications



FCC ID: ZTL- G2SC1 and FCC: RI7CE910-DUAL
IC: 9794A-G2SC1 and IC: 5131A-CE910DUAL



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

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