



Remote Monitoring for Business

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 Dualband 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

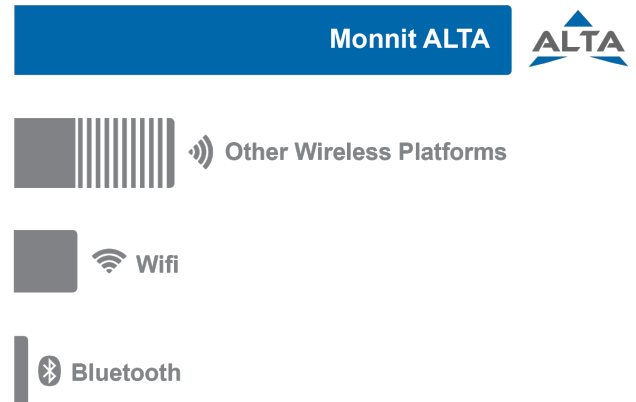
- Remote Location Monitoring
- Shipping and Transportation
- Agricultural Monitoring
- Vacant Property Management
- Vacation Home Property Management
- Construction Site Monitoring
- Data Center Monitoring

ALTA Cellular Gateway Features


- Wireless range of 1,200+ feet through 12+ walls *
- Frequency Hopping Spread Spectrum (FHSS)
- Improved interference immunity
- Encrypt-RF® Security (Diffie-Hellman Key Exchange + AES-128 CBC for sensor data messages)
- 50,000 sensor message memory
- Over the air updates (future proof)
- True plug & play, no hassles for internet configuration 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)

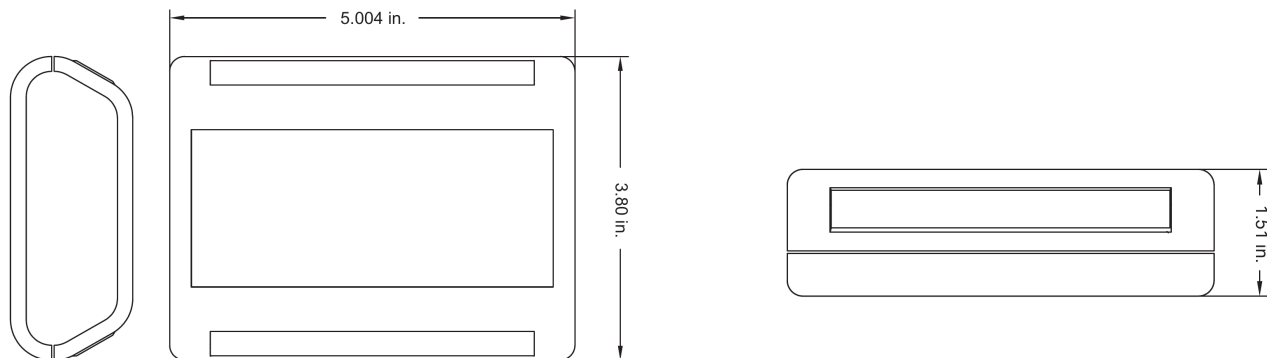
* Actual range may vary depending on environment.

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	
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: R17CE910-DUAL IC: 9794A - G2SC1 and IC: 5131A-CE910DUAL



MONNIT

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