

ProTAACS

International 3G Cellular Gateway

Technical Overview



General Description

Don't have an existing network connection where you need it most? The ProTAACS 3G Cellular Gateway allows your ProTAACS Wireless Sensors to communicate with the iProTAACS™ 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 / HSPA+ (GSM / GPRS) cellular technology and comes integrated with ProTAACS's wireless access point network (WAN) for use with all ProTAACS wireless sensors.

ProTAACS'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.

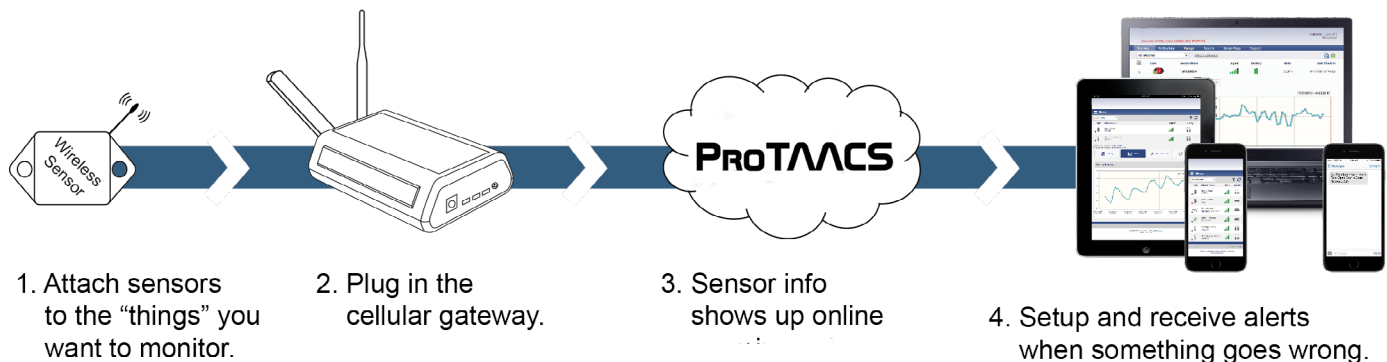
ProTAACS 3G Gateway Features

- Compatible with various cellular providers using Mini-SIM (2FF) sim cards.
- UMTS / HSPA+ (GSM / GPRS fallback) (800/850, 900, 2100 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

How The System Works



ProTAACS 3G Cellular Gateway - Specifications

Cellular

Cellular Technology	UMTS / HSPA+ (GSM / GPRS fallback) Frequency Range: 800/850, 900, 2100 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: 