KWJ-WSN

Quad Band Cellular Gateway

General Description

Don't have an existing network connection where you need it most? The KWJ-WSN Cellular gateway allows your KWJ-WSN Wireless Sensors to communicate with the KWJ-WSN 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.

Our 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 KWJ-WSN Cellular Gateway is based on the latest Quad-band GPRS/GSM wireless engine and comes integrated with KWJ's wireless access point network (WAN) for use with all KWJ-WSN wireless sensors.

KWJ's 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.

The gateway comes pre-activated on the KWJ-WSN global cellular network, avoiding the need to negotiate with mobile carriers for a cellular service contract. Enjoy reliable, low cost cellular services developed specifically for our wireless sensor networks.

KWJ-WSN Quad Band Cellular Gateway Features

- Supports multiple RF technologies including 900, 868 and 433MHz sensor solutions
- 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
- Watchdog function and on-line heart-beat control
- Portable with battery back-up
- Power saving sleep mode
- Power outage notification
- AC power supply
- Local, audible alarm
- Location parameter (cell tower triangulation)
- Quad Band GSM/GPRS engine 850/900/1800/1900 MHz

Applications

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

KWJ-WSN Cellular Gateway Specifications

Cellular	
GSM/GPRS	Quad Band GSM/GPRS engine that works on frequencies Frequency Range (MHz):850-900/1800-1900MHZ
Antenna	Connector: SMA Gain (dBi):1.5
Interfaces	
RS232	UART interface for Debugging and future added features
Power	
I/P	5 V- 2A DC power supply
Low Power Mode	Available
Battery Back Up	Available
Mechanical	
LEDs	H/W status LED, GPRS status LED,APN status LED
Enclosure	ABS
Dimensions	140 x 102 x 35 mm
Weight	14 ounces
Environmental	
Operating Temperature	0 to +65 °C
Storage Temperature	-40 to +65 °C
Certifications:	FC CE ◆ Industry Canada 900 MHz product; FCC ID: ZTL- RFSC1 and IC: 9794A-RFSC1. 868 and 433 MHz product tested and found to comply with: CISPR 22:2008-09 / EN 55022:2010 - Class B and ETSI EN 300 220-2 V2.4.1 (2012-05).

KWJ
E N G I N E E R I N G
Cellular Gateway

4.005 in
(101.727 mm)

5.505

5.505 in
(139.827 mm)

1.375 in
(34.925 mm)

KWJ
E N G I N E E R I N G

INNOVATIVE
SOLUTIONS
FOR GAS
DETECTION
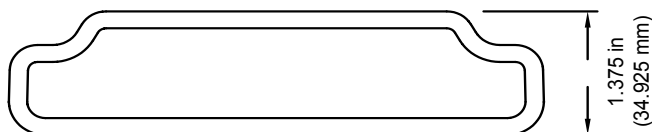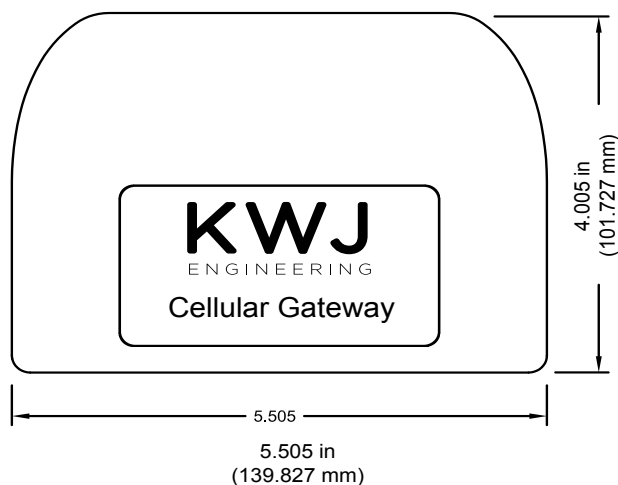
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For more information about our products or to place an order, please contact our sales department at 1-800-472-6626.

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