

KWJ-WSN

Dual Band Cellular Gateway

Technical Overview



General Description

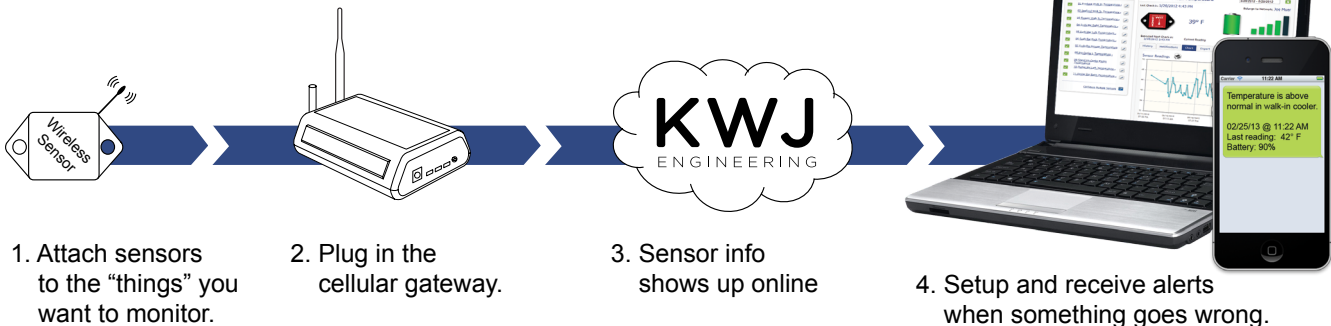
Don't have an existing network connection where you need it most? The KWJ-WSN Cellular gateway allows your KWJ-WSN Wireless Sensors to communicate with the KWJ-WSN Online Wireless Sensor Monitoring and Notification System via cellular transmission. This is the perfect solution for remote locations, or where an existing internet connection is not an option.

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 KWJ-WSN Cellular Gateway is based on the latest Dual-band CDMA 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.

How The System Works



KWJ-WSN Dual Band Features

- Supports multiple RF technologies including 900, 868 and 433 MHz 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
- 50,000 sensor message memory
- Watchdog function and on-line heart-beat control
- AC power supply
- 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

KWJ-WSN Cellular Gateway Specifications

Cellular

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

Power

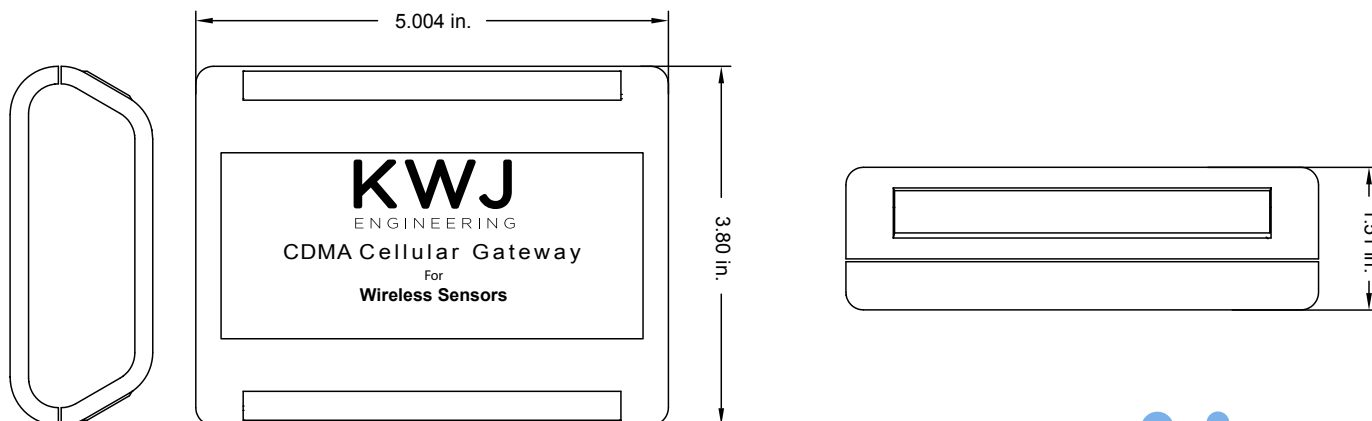
Input Power	5.5 VDC @ 900 mA
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Mechanical

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	-30 to +70 °C
Storage Temperature	-40 to +85 °C



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