

KWJ-WSN

Ethernet Gateway

Technical Overview



General Description

The KWJ-WSN Ethernet gateway allows your KWJ-WSN Wireless Sensors to communicate with the KWJ-WSN Online Wireless Sensor Monitoring and Notification System without the need for a PC. Simply plug this device into any open network port with internet connection and it will automatically connect with our online servers. This is the perfect solution for commercial locations where there is an active internet connection.

With the graphical KWJ-WSN software, you can easily configure your network, view collected sensor data and set alarms through SMS or e-mail, all from any web enabled browser. The system allows for complete configuration and customization at a sensor, local network, or client wide level.

KWJ's Ethernet 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.

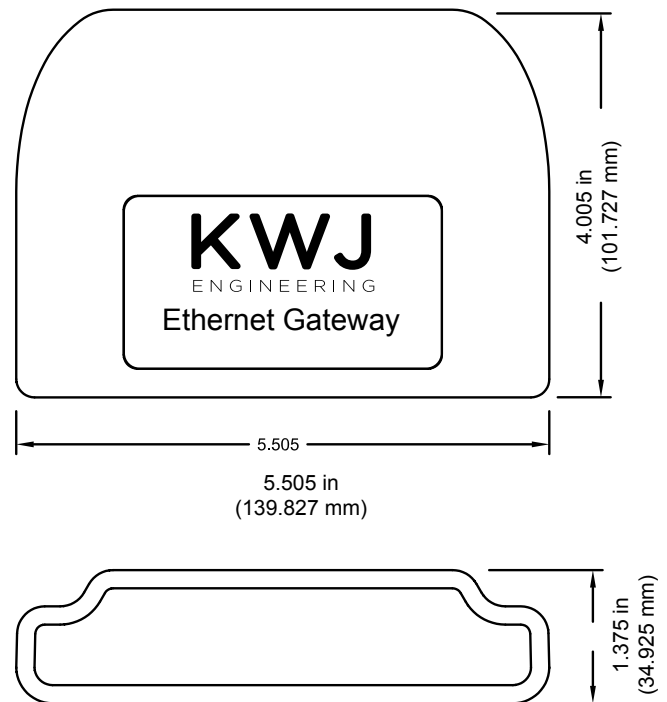
The gateway is available in global frequencies of 900, 868 or 433MHz. Enjoy reliable, low cost, wireless monitoring of your facilities or specific applications, with KWJ-WSN wireless sensor networks.

Applications

- Commercial Facilities Monitoring
- Industrial Facilities Monitoring
- Property Management
- Data Center Monitoring
- Convenience Store Monitoring

KWJ-WSN Ethernet Gateway Features

- Supports multiple RF technologies including 900, 868 and 433MHz sensor solutions
- Plug & Sense, no hassle set-up
- No PC required for operation
- Remote software upgrade capability
- Local status LEDs with transmission and online status indicators
- 16,000 sensor message memory
- On-line heart-beat control
- Power outage notification
- AC power supply or Power-Over-Ethernet



KWJ-WSN Ethernet Gateway Specifications

Ethernet

Ethernet Types:	Standard, POE
Antenna	Connector: SMA Gain (dBi): 5.0
Hardware:	10/100 Ethernet Controller
IEEE Standard Compliance:	802.3-2002
Operation:	Full- and Half-Duplex
Cross-Over Correction:	Automatic MDI/MDI-X
Addressing:	Pre-programmed MAC Address
Host Address:	t1.sensorsgateway.com
Default Port:	3000
Protocols Supported:	UDP, DHCP, TCP, SNMP, MODBUS
Cable Connector:	Cat 5
Device Memory:	16,000 sensor messages (Sensor messages will be stored in the event of Internet outage and transferred when connection is restored)

Power

Power Supply	5.5 V AC adapter or 5.5 V Power-Over-Ethernet adapter
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Mechanical

LEDs	H/W status, connection status, sensor data activity
Enclosure	ABS plastic
Dimensions	139.85 x 101.75 x 34.95 mm
Weight	12.6 ounces

Environmental

Operating Temperature	-40 to +85 °C
Certifications:	 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).



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