## Sensor Base

The I.I.S. Wireless Sensor base allows your Wireless Sensors to communicate with the 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 the servers. The device will buffer up to 16,000 sensor data messages in on-board memory in the event of an internet connection interruption. When internet communication is re-established the sensor data will download to the online system.

- AC power supply (POE version also available)
- Existing Internet connection required
- No PC required for operation
- Real time TCP interface
- SNMP poll and trap interface
- MODBUS TCP interface
- FCC, IC and CE certified
- 900 MHz

IIS-Sensor-Base

Wireless Ethernet Sensor Base with PoE power and NEMA Enclosure and Mag mount

IIS-Sensor-Base-Nema-H

| Ethernet | |
|---|---|
| Ethernet Types | Standard, POE |
| Antenna | Connector: RP-SMA<br>Gain: 5.0 dBi (900 MHz Product)<br>         3.0 dBi (868 and 433 MHz Product) |
| 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<br>5.5 V Power-Over-Ethernet adapter * |
| **Mechanical** | |
| LEDs | H/W status, iMonnit connection status, sensor data activity |
| Enclosure | ABS plastic |
| Dimensions | 4.0 in x 5.5 in x 1.375 in  (139.85 mm x 101.75 mm x 34.95 mm) |
| Weight | 12.6 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 | 1,000+ ft. non-line-of-sight ** |
| Security | Encrypt-RF™ (256-bit key exchange and AES-128 CTR) |
| Certifications | FC  ▮✦▮ Industry Canada<br><br>900 MHz product;<br>FCC ID: ZTL- G2SC1 and IC: 9794A-G2SC1. |

 * Hardware cannot withstand negative voltage. Please take care when connecting a power device.
** Actual range may vary depending on environment.