IoT Wireless Sensing

Lower your costs, increase productivity and reduce waste with
B+B SmartWorx Low-Power Wireless Sensing

4 Reason to Choose B+B SmartWorx Wireless Sensing Solution

• Easily Demonstrate ROI

B+B SmartWorx Starter Kits include everything you need for energy and environmental monitoring. Starter kits are available for Energy Monitoring, HVAC Monitoring and Refrigeration Monitoring. Wzzard Starter Kits can help test a system with the technology and help to quickly prove a business case to expand the Mesh Network.

- Energy Monitoring Starter Kit
- HVAC/Compressor Starter Kit
- Refrigeration Monitoring Starter Kit

• Easy to Deploy

Nodes can be configured with scaling information, eng. units, friendly names, geo-location and other descriptive information. The platform simplifies physical installation, too. Nodes can be attached to any surface via mounting ear flanges and screws or the embedded magnetic base. The IP67 rated, fiber reinforced polyester PBT housing makes the units deployable in any industrial or commercial environment

Wzzard Mesh Gen 2 low-power wireless sensing models can monitor temperature, humidity and vibration, and can accommodate virtually any industry-standard external sensors.

Use it for both:

- Industrial Low-Power Wireless Sensing
- Commercial Low-Power Wireless Sensing

- **Secure and Scalable**

The 802.15.4e Wzzard platform uses mesh networking and time-synchronized channel hopping to provide up to 99.999% connectivity, even in the most demanding RF environments. New nodes may be added at any time and the Mesh Network will dynamically self-configure as new nodes are added or removed.

- **Cloud Management**

An enhanced cloud device management tool is included with the hardware purchase and allows for management of status information, diagnostic information, firmware updates and bulk operations. Additionally, sensor nodes can be physically deployed, then configured and managed remotely, decreasing cost of installation and ownership. This eliminates the need for specialized installation skill-sets.

How does it communicate?

Wzzard Mesh Gen 2 wireless sensor nodes can be configured to communicate data only when specified threshold or alert levels are exceeded. When reporting, they can associate useful information like geo-location, device name and uptime.

Applications

Ideal end-user applications for monitoring include: food and agriculture, water and wastewater, industrial automation, transportation, data centers, building and automation, and energy and power. OEMs and machine builders can also work with B+B SmartWorx engineers for application-customized hardware.

Wzzard™

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