

## Crossbow Announces Out-Of-The-Box Wireless Sensor Network Kits

- Dramatically reduces time for wireless sensor network evaluation, development and education
- Includes reference designs with light, temperature, humidity, pressure and acceleration sensors
- Delivers family of kits ranging from technology evaluation to OEM development and research

**San Jose, CA – January 23<sup>rd</sup>, 2007** - Crossbow Technology®, Inc. ([www.xbow.com](http://www.xbow.com)), today announced a family of kits for Wireless Sensor Networks (WSN) to accelerate technology evaluation, commercial application development and the set up of WSNs in educational teaching labs.

The complexities of wireless communication and incomplete and inflexible offerings often created difficult challenges to deploy WSNs for end-users and developers. The new Crossbow kits contain pre-integrated, packaged hardware and software which reduces installation and set up of WSNs from days to minutes. Users can immediately start evaluating the benefits of WSN technology without the need for any programming or hardware configuration.

Bundled with all kits is MoteView™, a PC based application for capturing, visualizing and analyzing sensor data and network management. For developers that go beyond technology evaluation and develop WSN systems or applications, the kits are modular in design and fully supported with Crossbow's award-winning MoteWorks™ mesh networking software platform.

The kits support 433MHz, 868/900MHz and 2.4GHz/IEEE 802.15.4 operation and the sensor nodes and base stations are certified against FCC and CE regulations for operation in most countries worldwide.

**WSN Starter Kit:** Low-cost, out-of-the-box basic kit, including

- Two packaged wireless sensor nodes with temperature, humidity, barometric pressure, light and acceleration sensors
- One USB base station for connecting the wireless sensor network with a PC or the Internet
- Reliable mesh network firmware for self-forming, self-healing mesh sensor networks, pre-programmed into the sensor nodes and base station
- MoteView – PC based user interface for visualization and analysis of sensor and network data
- Extensible with additional sensor nodes and programmable through MoteWorks software platform

**WSN Professional Kit:** Out-of-the-box evaluation and development kit, including

- Six packaged wireless sensor nodes with temperature, humidity, barometric pressure, light and acceleration sensors
- One USB base station for connecting the wireless sensor network with a PC or the Internet
- One data acquisition board for connecting external sensors to the sensor nodes
- One USB programming board for reprogramming of the sensor nodes
- Reliable mesh network firmware for self-forming, self-healing mesh sensor networks, pre-programmed into the sensor nodes and base station
- MoteView – PC based user interface for visualization and analysis of sensor and network data
- Extensible with additional sensor nodes and programmable through MoteWorks software platform

**WSN OEM Design Kit:** Development kit for wireless sensor nodes for OEM applications, including:

- Four wireless sensor nodes, comprised of OEM module based reference hardware boards and sensor/data acquisition boards
- One Ethernet base station including radio/processor board for connecting the wireless sensor network with a PC or the Internet
- Five OEM Edition radio/processor modules and hardware design documentation for OEM modules pin-outs and design files of reference board for custom hardware development
- One OEM Module socket programmer for stand-alone OEM module programming
- One USB pod for board programming and debug
- One data acquisition board for connecting external sensors to the sensor nodes
- Reliable mesh network firmware for self-forming, self-healing mesh sensor networks, pre-programmed into the sensor nodes and base station
- MoteView – PC based user interface for visualization and analysis of sensor and network data
- Programmable through MoteWorks software platform

**WSN Classroom Kit:** Packaged specifically for the classroom or teaching lab, including:

- WSN hardware for ten work stations, comprised of 2 sensor nodes and 1 USB gateway each
- Curriculum development material including manual from Crossbow's renowned WSN training course and WSN reference book to aid in coursework and easy lab setup
- Classroom license of MoteWorks software platform including mesh network stack and gateway server middleware for sensor node software application development
- MoteView – PC based user interface for visualization and analysis of sensor and network data

## Availability

All Crossbow WSN kits are available immediately with pricing starting at \$795. The kits can be ordered online at [www.xbow.com](http://www.xbow.com) or by contacting Crossbow at +1-408-965-3300 or [info@xbow.com](mailto:info@xbow.com).

## About Crossbow Technology

Crossbow Technology, Inc. is the leading technology platform provider for the wireless sensor network market. Founded in 1995, Crossbow's wireless sensor networks products are used by Fortune 100 and start-up companies alike for applications including industrial automation, building automation, home automation, environmental control, defense, security and asset tracking. Crossbow is a privately held company. Major investors include Cisco Systems, Intel Capital, Morgenthaler Ventures, Paladin Capital Group and The Cambria Group. Headquartered in San Jose, CA, Crossbow has representation in 24 countries world wide through direct offices and distributors.

For more information about Crossbow, please visit [www.xbow.com](http://www.xbow.com) or call 1-800-926-9832.

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