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**GAINSPAN UNVEILS INDUSTRY FIRST WI-FI® SENSOR NETWORK SOLUTION; LAUNCHES INTO MULTIPLE MARKETS**

*New Technology Leverages Existing Wi-Fi Infrastructure and Extends Battery Life up To 10 Years; Delivers Energy Savings and Efficiency Improvements Previously Not Possible*

**Houston TX, October 2, 2007 – ISA EXPO Booth# 1978** - GainSpan, an innovator in Wi-Fi sensor network technology, today unveiled the industry's first wireless sensor network solution that fully leverages the ubiquitous Wi-Fi infrastructure while providing years of battery life for sensors and other connected devices. GainSpan's semiconductor and software solutions deliver the security, manageability and convenience benefits of Wi-Fi along with 5-10 years of extended battery life needed for applications that enable organizations to save money, save energy and work smarter, from the factory floor to the city streets, such as temperature monitoring for energy management, condition monitoring of industrial equipment in manufacturing plants or street lights in metro areas.

The GainSpan GS1010 SoC is an ultra low-power System-on-a-Chip (SoC) solution that leverages the widely deployed Wi-Fi (IEEE® 802.11) network. By utilizing this infrastructure, the GS1010 enables businesses to quickly deploy sensor systems using standard tools and knowledge base, and seamlessly integrate with existing management systems, including enterprise NMS systems, as well as existing SCADA, BACnet or other industrial and building automation systems. Additionally, the chip's unique intelligent power management feature provides years of battery life and enables a new class of Wi-Fi products that open the door to many new applications not previously possible.

“While wireless sensor networks have seen steady growth over the past few years, their market potential has, in fact, been hindered by power consumption issues and lack of mature standards based solutions,” said XXX, senior analyst at XXX. “GainSpan has addressed this issue with a Wi-Fi based solution enabling the first Wi-Fi sensor devices with years of battery life. This solution enables users to further leverage their standard Wi-Fi network and knowledge investments, also employing them for wireless sensor devices that provide the cost, energy savings and convenience needed to transform every facet of our lives. In fact, GainSpan has the potential to ‘change the game’.”

As global competition and environmental issues mount, organizations are working to make the most of assets and “be green”. GainSpan solutions enable users to make the most of their Wi-Fi network infrastructure, and deploy sensors that help to improve indoor and outdoor air quality, reduce energy consumption, as well as cut costs and improve operational efficiencies. Further, because Wi-Fi utilizes standard IP networking protocols, organizations can more easily share data across multiple systems, including building and industrial automation systems and enterprise IT management systems and backend applications.

"Intel sees significant growth opportunities in Wi-Fi sensor networks," said XXX, XXX of Intel. "Intel recognized an opportunity to drive new technologies and usage models for wireless sensor networks through our internal incubator, New Business Initiatives, where our initial investment in the business was spun out in 2006 to form GainSpan. Our investment reflects Intel's continued commitment to enabling organizations with innovative solutions that provide strong synergy between all their computing platforms."

The GainSpan GS1010 SoC is a highly flexible solution that enables a broad range of customers to tailor systems to their specific application at a low total cost of ownership and high return on investment. GainSpan is currently working with leading OEMs to incorporate its semiconductor and software solutions into products that could be used in:

- Industrial motor monitoring, to save energy and improve efficiencies
- Buildings, to save energy, improve indoor air quality and safety

- Food and drug manufacturers, to monitor temperature of goods through their supply chain
- Auto-manufacturing plants, to track vehicles during production
- Oil refineries, to locate staff during emergencies
- Utilities, to automatically read meters and monitor infrastructure equipment
- Public metro areas, to monitor street and traffic lights, support emergency response services
- Bridges, to automatically verify the safety of these structures after an earthquake, allowing city infrastructures can quickly return to normal operation
- Mining, to accurately track real-time movements of miners
- Data centers, to monitor and control temperatures and energy usage
- Hospitals, to track patients, wheelchairs, diagnostic equipment, staff and patients' files

“Enabling users to leverage Wi-Fi for sensor applications with years of battery life makes GainSpan solutions unique in the market place,” said Vijay Parmer, GainSpan CEO. “Our solutions represent a breakthrough in the world of wireless sensor networks, enabling sensors and other devices with up to 10 years of battery life with all the benefits afforded with a mature standards-based solution.”

### **About GainSpan Solutions**

GainSpan’s innovative product line was designed to meet the specific battery life and other requirements of Wi-Fi sensor devices. The GainSpan GS1010 SoC offers flexibility to support a wide range of products and applications with an embedded 802.11b/g radio, two 32-bit ARM7 microcontrollers, real-time clock (RTC) and power management unit, FLASH and SRAM memories along with multiple I/Os, and support for location awareness. The complete solution provides a suite of easy-to-use development tools for OEMs that makes development less time consuming and complicated, so products can get to market quickly.

GainSpan also offers the GainSpan Management System (GMS), a software solution that sits in the network and addresses specific needs of managing Wi-Fi sensors and other devices.

### **Availability**

The GS1010 is sampling now, with production quantities available in December 2007.

**About GainSpan**

Launched as a startup business in Intel and founded as an independent company in 2006, GainSpan brings Wi-Fi sensor networks to life. The company has developed breakthrough technology that fully leverages the ubiquitous Wi-Fi infrastructure and enables Wi-Fi sensors to run up to 10 years on an AA battery. GainSpan's semiconductor and software technologies help companies save money, save energy and work smarter. For more information, visit [www.gainspan.com](http://www.gainspan.com).

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