NEWS

# GainSpan Announces Support for Freescale Kinetis MCUs for The Tower System Wi-Fi Module

*Developers using Kinetis 32-bit MCUs can speed product development for connecting devices*

**San Jose, CA — June 20, 2011** — GainSpan® Corporation, a leading developer of ultra low power embedded Wi-Fi solutions, today announced support for the Freescale Semiconductor Kinetis ARM Cortex™-M4 processor, extending GainSpan's support across Freescale's microcontroller portfolio, which also includes ColdFire® processors. Developers using the Tower System can now quickly and easily add Wi-Fi connectivity, using the TWR-WIFI-G1011MI module, enabling fast development of connected devices to support the growing demand for Smartphone monitored and controlled devices, and "Internet of Things."

"With growth in the 'Internet of Things,' there's tremendous interest in web-enabling devices. Customers want to embed Wi-Fi into all kinds of designs – consumer appliances, thermostats, security and access control systems, home portable medical devices, and condition-based monitoring systems, among others," said Jeff Bock, director of marketing industrial & multi-market microcontrollers at Freescale. "We are pleased to see GainSpan follow up quickly in supporting our new microcontroller product lines."

"Time to market is essential for our customers in today's competitive environment. Our close collaboration with Freescale and quick support for their new microcontroller product lines is critical to provide our customers with a high performance, feature rich and easy to integrate solution for their connected devices," said Bernard Aboussouan, vice president of marketing, GainSpan.

**Tower System Wi-Fi Module Features**

The TWR-WIFI-G1011MI has on-board GS1011MIP Wi-Fi module from GainSpan featuring a highly integrated and low power SOC, consuming just a few µA of standby current and with a few ms of wake-up latency, for battery operated devices requiring years of battery life. It connects to the Kinetis host microcontroller through UART or SPI interfaces and using simple AT commands.

The GS1011MIP module software supports all Wi-Fi features including WEP/WPA/WPA2 personal and enterprise security, Over-The-Air firmware update, and the IP to Wi-Fi

functionality, utilizing the Freescale Kinetis powerful networking stack and services. Alternatively the networking stack and services can be offloaded from the host microcontroller and run on the GS1011 SOC. For ease of provisioning, three provisioning modes are available — Wi-Fi Protected Set-up (WPS), Web server based Ad hoc provisioning and Provisioning Access Point modes.

The module is fully certified for major worldwide regulatory regions. It is an ideal solution for organizations with limited or no Wi-Fi or RF expertise, as it not only eliminates RF design time but also reduces the burden of testing and global certification, allowing customers to focus on their core product and application.

**About the Tower System**

The Tower System provides a customizable, modular embedded design environment that helps developers quickly evaluate and prototype their applications. As they require more functionality and design capabilities, developers can easily add more modules that suit their design needs.
The Tower System Wi-Fi module offers seamless integration with Freescale's MQX™ software solution. This peripheral module is designed to be combined and used with other microcontroller and peripheral modules in the Tower System.

**Availability**

The TWR-WIFI-G1011MI peripheral module is priced at $69.00 (USD) and is available from Freescale. MQX drivers for Kinetis and ColdFire are available on the Freescale website. For more information, please visit www.freescale.com .

Customers can purchase chips, modules, evaluation boards and kits from GainSpan's online store at http://www.gainspan.com/store/s_modules.php or through a network of representatives and distributors http://www.gainspan.com/contact/sales_distributors.php .

**About GainSpan**

GainSpan is a leading ultra-low power embedded Wi-Fi semiconductor solutions company focused on connecting Things to the Internet, and People to Things. With easy to use system-on-chip (SoC), modules and software, GainSpan enables customers to leverage the large installed base of Wi-Fi access points and devices to create new connected embedded products for healthcare, smart energy and control and monitoring in industrial, commercial and residential markets. GainSpan solutions feature an ultra low power SoC that consumes just a few µA of standby current and a few ms of wake-up latency, ideal for battery operated devices requiring long battery life. The Wi-Fi chip also handles all Wi-Fi functionalities, networking and

security stacks, offloading when required the host microcontroller and accelerating wireless device development cycles. GainSpan is based in San Jose, CA, with R&D in Bangalore, India. www.gainspan.com.

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