



Edge Of Network Wi-Fi Applications To Experience Dramatic Improvement In Battery Life

Theobroma Systems Delivers Industry's Absolute Lowest Power Wi-Fi Module

Vienna, Austria /San Diego, CA — June 19, 2019 — [Theobroma Systems](#), a leading designer and producer of innovative tech products, incorporating embedded computing and communications solutions, selects [InnoPhase's Talaria TWO wireless platform](#) to develop the lowest power Wi-Fi module for embedded solutions.

The compact wireless module is targeted at demanding battery-based wireless applications at the edge of the network. The new product will support high-performance 802.11b/g/n operation at DTIM power levels as low as 62uA – which is two to ten times lower than any other low power Wi-Fi module in the market today. In addition, the Talaria TWO wireless radio enables the module to provide full support for BLE 5.0 operation.

One of the major challenges of the IoT has remained that of power consumption and the need for battery replacement or recharging, particularly within commercial or industrial applications such as building automation, according to ABI Research, a global tech market advisory firm. In their May 30, 2019, [Hot Tech Innovators: Wireless Connectivity](#) report, they identified InnoPhase among the top 10 companies innovating in the wireless connectivity landscape and helping to address key challenges that the wireless industry is facing today.

Theobroma Systems' low-power wireless module can run standalone or integrated into embedded computing platforms such as the upcoming high-efficiency quad-core ARM Cortex-A35 based PX30-uQ7 system-on-module (SoM), or it can be connected to other popular embedded compute platforms. In addition, it is developing an entire Linux-based software interface environment designed to make it simple for developers to create complex applications that take full advantage of the wide range of "on-module" sensor I/O interfaces and the advanced system power management capabilities of the new Talaria TWO radio platform. The integration of the wireless module into the PX30-uQ7 SoM engineers a powerful development platform for building advanced applications on top of the connectivity provided by Talaria TWO, by incorporating a wide range of peripherals including camera-input and display-output.

"We chose the Talaria TWO wireless chipset from InnoPhase because it offers the lowest-power Wi-Fi solution with a direct cloud connection, eliminating expensive gateway devices," said Dr. Philipp Tomsich, CTO of Theobroma Systems. "The collaboration with InnoPhase enables us to deliver the absolute lowest power Wi-Fi solutions to our customers."

Wi-Fi based smart sensor devices for industrial, consumer, commercial and medical applications can expect to see a significant battery-life improvement. And InnoPhase will be meeting with manufacturers and the media at [Sensors](#)

[Expo and Conference](#) in San Jose, CA, June 26 - 27, 2019. If you are interested in scheduling a briefing at the show or on the phone, please contact Sales@innophaseinc.com.

About Theobroma Systems

Theobroma Systems is an embedded solutions house based in Vienna, providing engineering services and Embedded Systems solutions that support applications in IoE and Industry 4.0. The company provides the full range of hardware and software services, including in-house manufacturing capabilities -- with a focus on networked embedded systems and developing information security and trusted IT systems.

Keeping up with the fast shifting trends of the technology market, Theobroma Systems has expanded in these areas of expertise throughout the years to meet and match the needs of the market. The advanced technology company has become one of the most celebrated Austrian companies known for innovation and unique set of skills and expertise.

Visit us at www.theobroma-systems.com.

About InnoPhase

InnoPhase is a fabless wireless semiconductor platform company specializing in extreme low power wireless IoT solutions. The company is headquartered in San Diego, California with an additional development center in Kista, Sweden. The company has created the industry's first complete polar radio architecture that is being used to develop a wide range of innovative wireless platforms for the rapidly growing battery-based IoT market. For more information on InnoPhase, visit innophaseinc.com.

Media Contacts:

Theobroma Systems

Makeljana Shkurti, Product Evangelism

+43 1 2369893-304

makeljana.shkurti@theobroma-systems.com

www.theobroma-systems.com

InnoPhase

Linda Ferguson, Marketing Communications Director

+1-503-869-5827

lferguson@innophaseinc.com

www.innophaseinc.com

###