Baimos Technologies and Silicon Labs join forces to bring IoT implementations for Access Control to the next level

AUSTIN, Texas – Jun. 1, 2017 –Baimos Technologies, with its core IDaaS product BlueID, offers customers and lock manufacturers easy physical Access Control deployment in their devices and turns their users' smartphones into secure keys. The trend to deliver secure physical Access Control with smart mobile devices is increasing with the new mobile era and the rapid growth of the Internet of Things (IoT). Together with Silicon Labs, a leading provider of connectivity solutions, the two companies are co-innovating around IoT technology to address the increasing numbers of connected devices organizations are deploying today.

The main objective of Baimos Technologies' collaboration with Silicon Labs is to ensure that customers' devices and products are ready for whatever comes next in the mobile era, especially related to physical Access Control and new business cases in the IoT. The combined solution gives customers the freedom to expand their product portfolios with more digital services. Whether it's a hotel wanting to track bike and scooter rentals or a logistics company exploring new delivery methods, the collaborative solution between Baimos Technologies and Silicon Labs provides a scalable, robust and secure solution to companies for new service models and opportunities in the new connected world.

At the heart of Baimos Technologies' solution is Silicon Labs' BGM111 Bluetooth low energy module, which offers ample memory to support features such as over-the-air software updates to support application enhancements and evolving protocol needs in the field. BGM111 module integrates Silicon Labs' Blue Gecko SoC with a Bluetooth low energy software stack and antenna to provide a complete, pre-certified plug-and-play Bluetooth solution. The module solves one of the major developer roadblocks for fast time-to-market as it integrates antenna, software and RF certifications, saving months of engineering effort and testing.

"We always strive to deliver best-in-class technology to our customers, and the primary reason why we joined forces with Silicon Labs was to significantly shorten the time-to-market for mobileready products of our joint customers. Our BlueID platform delivers everything that is needed for secure mobile keys for real "things" in the IoT together with the BGM111 module and Wireless Gecko SoCs which provide one of the most versatile, feature-rich multiprotocol platforms available today supporting Bluetooth 5.Our pre-certified plug&play Bluetooth solution tremendously cuts down time and effort as well as product development risks that have been associated with innovative offerings around mobile key and mobile credential management" said Florian Schiebl, Managing Director at Baimos Technologies.

The BlueID security layer provided through the BlueID SDK for C ensures the highest level of secure offline communication and interaction between a smartphone and the Bluetooth chip to directly verify, i.e. access permissions. The system does not need any Internet connection to work seamlessly. Silicon Labs' Wireless Gecko SoCs support Bluetooth 5, 802.15.4 mesh protocols and proprietary protocols and integrate a powerful ARM Cortex-M4 processor. Access is granted or denied using a secure Public Key Infrastructure (PKI) between mobile device and embedded module in just under a second.

"The combination of BlueID device authentication and authorization technology and Silicon Labs' wireless modules provides customers with a secure access management solution for the connected world," said Mikko Savolainen, Senior Marketing Manager for Wireless IoT Products at Silicon Labs. "Securing the IoT is an enormous challenge that requires collaboration at multiple levels, and we are delighted to join forces with Baimos Technologies to help deliver secure mobile access control to our customers across a wide range of industries and applications."

About Silicon Labs

Silicon Labs (NASDAQ: SLAB) is a leading provider of silicon, software and solutions for a smarter, more connected world. Our award-winning technologies are shaping the future of the Internet of Things, Internet infrastructure, industrial automation, consumer and automotive markets. Our world-class engineering team creates products focused on performance, energy savings, connectivity and simplicity. www.silabs.com

About Baimos Technologies

Baimos Technologies is an IDaaS company located in Munich that specializes in the central management and authorization of any direct interaction between Smart Mobile Devices and IoT Objects & Operational Technologies (OT). The core product of Baimos Technologies, BlueID, is the first and only access control solution that runs across every IoT vertical, enabling companies to quickly expand by implementing it in an unlimited number of IoT objects and devices worldwide. Baimos Technologies works with partners such as Marquardt, Emerson Network Power, eQ-3 / ELV, Microsoft, Laird and Valtech. The list of customers includes Audi, Daimler, Sixt, ISEO, LG and many more.

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