Advantech Announces Integration with ARM® mbed™ to Enable Scalable IoT Cloud Services

Advantech Announces Integration with ARM® mbed™ to Enable Scalable IoT Cloud Services

July 10, 2017, – Advantech, a leader in the global industrial computing market, today launched its ARM® mbed™ Cloud services integration at the WISE-PaaS Marketplace; mbed Cloud services provide secure identification, connection, and device management services for IoT deployment.

Secure and Scalable IoT Device Management

With mbed Cloud, users can achieve flexible coverage across a vast range of ARM IoT client devices, efficiently manage them, establish trusted security, easily update software on devices in the field, and equip IT and DevOps teams for unparalleled productivity. Advantech integrated ARM Cortex®-M based technology with silicon to develop sensor nodes with built-in ARM mbed OS for enabling mbed Cloud services with Advantech WISE-PaaS IoT Software Platform, ensuring easy integration with existing systems.

"Advantech's wide coverage wireless connectivity solution is empowered by ARM's reliable processor technology," said Miller Chang, Vice President, Advantech Embedded-IoT Group. "With benefits such as low power usage, various wireless transmitting module selections and mbed Cloud services, this combination is perfect for most IoT scenarios."

"Device-to-cloud security and management are the ultimate enablers for IoT applications to scale, especially for enterprises seeking acceleration to market," said Dipesh Patel, president, IoT Services Group, ARM. "Integration of certified and ready-to-use solutions built with ARM mbed OS and mbed Cloud services through WISE-PaaS Marketplace will speed the onboarding and management of IoT nodes for businesses."

Diverse Software Services at IoT Software Platform

Customers can subscribe to mbed Cloud services via WISE-PaaS Marketplace with a few simple clicks to easily deploy, furthermore, WISE-PaaS Marketplace provides IoT Security, PaaS solutions, and pre-configured packages, all of which help construct an IoT ecosystem that fulfills customer needs. Customers can choose a standard suite for creating unique solutions, or combine standard and purpose-built packages to enable IoT edge intelligence and customize an IoT solution according to their specific requirements and usage conditions.

Pre-configured ARM WLAN and LPWAN Solution Packages

By selecting certified IoT gateways – WISE-3610 (LoRa gateway) and WISE-3620 (Wi-Fi gateway) – customers can utilize the mbed OS with WISE-1510 (LoRa) and WISE-1520 (Wi-Fi) nodes designed to fit different RF transmission requirements and environments: LoRa for long range sensor reporting, and Wi-Fi for short range communication with high throughput. IoT sensor nodes transmit data seamlessly to the mbed Cloud.

For more information about ARM mbed Cloud services, please contact your local sales team, or visit the Advantech website at wise-paas.advantech.com/marketplace.

About Embedded-IoT Group

As a leading supplier in the embedded computing market, the Advantech Embedded-IoT Group not only delivers a wide range of embedded design-in services, but also develops integrated IoT solutions and services that assist customers in minimizing uncertainty and risk as they enter the IoT market. Advantech's integrated IoT solutions include sensor nodes, gateways, and WISE-PaaS IoT software platforms.

(Embedded-IoT Group website: Embedded-IoT.advantech.com)

About Advantech

Founded in 1983, Advantech is a leader in providing trusted, innovative products, services, and solutions. Advantech offers comprehensive system integration, hardware, software, customer-centric design services, embedded systems, automation products, and global logistics support. We cooperate closely with our partners to help provide complete solutions for a wide array of applications across a diverse range of industries. Our mission is to enable an intelligent planet with Automation and Embedded Computing products and solutions that empower the development of smarter working and living. With Advantech, there is no limit to the applications and innovations our products make possible. (Corporate Website: www.advantech.eu).