



Samsung Introduces New ARTIK™ Secure IoT Modules and Security Services to Deliver Comprehensive Device-to-Cloud Protection for IoT

ARTIK™ IoT platform hardens critical end point security to create the first compliant platform for secure access to Samsung products and the SmartThings Cloud ecosystem

SAN FRANCISCO – Samsung Developer Conference – October 18, 2017 – [Samsung Electronics Co. Ltd.](#) today announced ARTIK™ secure “s” systems-on-modules and services for the ARTIK™ IoT Platform to strengthen edge security. Samsung ARTIK™ IoT platform now delivers device-to-cloud security for companies to build, develop and manage secure, interoperable, and intelligent IoT products and services for everything from smart homes to high-tech factories. In addition, Samsung announced that the ARTIK™ IoT platform will fully integrate with the SmartThings Cloud — Samsung’s new unified IoT platform. This will enable interoperability with both Samsung and third-party IoT devices and IoT cloud services.

The Samsung ARTIK™ IoT Platform with SmartThings Cloud will provide everything companies need to quickly develop secure IoT products and services including production-ready hardware, software and tools, cloud services and a growing partner ecosystem. The addition of new ARTIK™ secure IoT modules enables device-level protection for safe data exchange, interoperability, and secure access to ARTIK™ IoT services including device onboarding, orchestration, management, and over-the-air updates.

“Security in the age of IoT means new levels of complexity and risk. The next generation of IoT products and services will be more deeply integrated into our lives than ever before,” said James Stansberry, Senior Vice President and General Manager of ARTIK™ IoT, Samsung Electronics. “Unfortunately, most companies are not prepared to address the challenges of securing every link of the chain, from device to IoT cloud. With the ARTIK™ IoT Platform and our new security hardened system-on-modules, we make it easier and more affordable for companies to adopt best security practices and deliver trustworthy products that will shape the future of IoT.”

New ARTIK™ Secure Systems-on-Modules

The new ARTIK™ secure IoT modules combine hardware-backed security with pre-integrated memory, processing, and connectivity for a broad range of IoT applications, from simple edge nodes like sensors and controllers, to home appliances, healthcare monitors, and gateways for smart factories. This helps protect data and prevent devices from being taken over, disabled, or used maliciously.

“The New ARTIK™ secure systems-on-modules provide the performance and security features we need for our new Samsung IoT appliances,” said Youngsoo Do, Senior Vice President of Digital Control Group at Samsung Electronics. “Together, Samsung ARTIK™ platform and SmartThings Cloud will create opportunities to help us to get to market faster and safely deliver new services that will enrich the lives of our customers.”

ARTIK™ secure IoT modules provide a strong root of trust from device-to-cloud with a factory-injected unique ID and keys stored in tamper-resistant hardware. Samsung’s public key infrastructure (PKI) enables mutual authentication to the cloud to identify each device on the network and support whitelisting. Customers can use the new Secure Boot feature and code signing portal to validate software authenticity on start-up. In addition, the secure IoT modules provide a hardware-protected Trusted Execution Environment (TEE) with a secure operating system and security library to process, store, and manage sensitive resources, including keys and tokens on devices. Information is protected using FIPS 140-2 data encryption and secure data storage.

“Hardening the security of IoT devices once the product has been deployed is extremely difficult,” said Vikrant Gandhi, Digital Transformation Industry Director at Frost & Sullivan. “Manufacturers must use components that have built-in defenses for both device and data integrity. ARTIK™ IoT platform’s new security measures provide this protection from the start, and helps companies operate more safely in the Internet of Things.”

ARTIK™ “s” secure IoT modules will be available on November 30 through Samsung ARTIK™ channel partners. The ARTIK™ IoT Platform and ARTIK™ cloud services are available today.

Ecosystem Expansion

Samsung’s new SmartThings Cloud will unite all of the company’s existing IoT cloud services – Samsung Connect Cloud and ARTIK Cloud – into one consolidated IoT cloud platform. This seamless, open ecosystem will allow better and easier connectivity across an expanded set of devices and services from home to industrial applications.

In addition to today’s announcements, Samsung continues to expand the ARTIK™ IoT Platform and accelerate businesses’ path to profitability. This expansion includes the recent launch of the new ARTIK™ service to monetize data from interoperable devices and enable an IoT data economy, as well as the addition of [Ubuntu](#), the industry’s most familiar Linux distribution, on ARTIK™ high performance system-on-modules. Earlier this month, Samsung – as a member of

the Industry Council (ITI) – also announced a commitment to enable a [National IoT Strategy Dialogue](#) that is open, collaborative and secure.

For more information:

Samsung ARTIK™ platform, visit <https://artik.io> and <https://artik.cloud>

Samsung ARTIK™ marketplace, visit <https://www.artik.io/iotmarketplace>

About Samsung Electronics Co., Ltd.

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