Silicon Labs Series 3 SoCs Now Available to Power the Next Era of Connectivity

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First to PSA Level 4 security with Series 3 Secure Vault

SiMG301 among the first in Connectivity Standards Alliance's Matter Compliant Platform Certification, accelerating Matter deployments

AUSTIN, Texas, Oct. 2, 2025 /PRNewswire/ -- Silicon Labs (NASDAQ: SLAB), the leading innovator in low-power wireless, today announced at its Works With Summit event in Austin, TX, the general availability of the first products in its new Series 3 platform: the SiMG301 and SiBG301 SoCs. The devices, the first in the SixG301 family, are now shipping from Silicon Labs and authorized distribution partners worldwide.



Series 3 extends Silicon Labs' leadership at the intelligent edge, delivering generational gains in compute, connectivity, integration, and security while complementing the company's proven Series 2 platform. Device makers can continue to build on Series 2's breadth and maturity for ultra-low-power endpoints, and adopt Series 3 for more demanding, and feature-rich designs—without changing ecosystems, tools, or support models.

"SiMG301 and SiBG301 bring Series 3's compute and integration with the world's first PSA Level 4 security, giving customers a stronger foundation for long-lived, secure IoT," said Ross Sabolcik, Senior Vice President of IoT Products at Silicon Labs. "With SiMG301 among the first in the Alliance's Matter Compliant Platform Certification program, teams can deliver feature-rich, Matter-certified products faster with pre-tested core functionality and a clearer certification path."

What's new in Series 3 and the SixG301 family

Built on an advanced 22 nm process, Series 3 introduces a multi-core architecture that separates application, wireless, and security workloads, providing headroom for growing protocol stacks and emerging compute-intensive use cases at the edge. The SixG301 family consists of:

- **SiMG301 (Multiprotocol):** Concurrent Zigbee®, Bluetooth® LE, and Matter over Thread; ideal for smart lighting, and other Matter-focused switches, sensors, and controllers. An integrated LED pre-driver reduces external components, BOM cost, and board space in line-powered designs.
- **SiBG301 (Bluetooth-Optimized):** Tailored for Bluetooth LE applications that benefit from Series 3 compute and security, with an easy migration path from Series 2 Bluetooth designs.

Both devices offer developers generous Flash/RAM headroom with up to 4 MB Flash and 512 kB RAM. They both include Silicon Labs' PIXELRZ single wire communication interface for LED controller ICs as well as a LED pre-driver that enables low level and consistent dimming, which together simplify designs, reduce costs, and provide efficient power for smart home lighting, smart building lighting, and other lighting applications.

Silicon Labs Quickens Time to Market for Matter Devices

The SiMG301 is among the first devices included in the Connectivity Standards Alliance's new Matter Compliant Platform Certification program. A Matter Compliant Platform is a tested combination of SDK and designated hardware that has been certified by the Alliance for core Matter functionality.

By building on a certified platform, device makers can inherit pre-tested commissioning, networking, and message security, significantly reducing the number of tests required for end-product certification. Teams can also take advantage of the Alliance's Fast Track and Rapid Recertification programs when the underlying platform remains unchanged, shortening development cycles and lowering costs. Products built this way are referred to as Derived Matter Products (DMPs).

"Since Matter's inception, Silicon Labs has been a leading contributor and reliable partner to the Alliance, helping drive robust implementations, real-world interoperability, and taking a central role in creating the Matter Compliant Platform Certification program" said Jon Harros, Global Head of Certification at the Connectivity Standards Alliance. "Having SiMG301 among the first in the program underscores that leadership and gives device makers a proven foundation to ship secure, feature-rich Matter products faster."

Silicon Labs' Series 2 MG24 and MG26 SoCs will also be included in the Matter Compliant Platform Certification program.

Security that Leads the Industry: World's First PSA Level 4 Certification

Security is foundational to Series 3. Series 3 Secure Vault, debuting with the SixG301 family, has achieved the world's first PSA Level 4 certification, the highest level recognized by PSA Certified and addresses advanced physical attacks.

This certification validates Silicon Labs SoCs equipped with Series 3 Secure Vault, like the SiMG301 and SiBG301, for resilience against laser fault injection, side-channel analysis, micro-probing, and voltage manipulation. This raises the bar for edge protection and supports alignment with tightening global regulations. The certification followed independent lab evaluation.

Built on Silicon Labs' Series 2 security legacy, Series 3 Secure Vault includes a hardened root of trust, lifecycle controls, and secure OTA update support for products expected to live in the field for years. Silicon Labs' Secure Vault's features help developers reach compliance with emerging regulations including the EU's RED and CRA and the U.S. Cyber Trust Mark, among others.

Availability and developer enablement

SiMG301 and SiBG301 are available today from Silicon Labs and authorized distributors. Developers can access evaluation kits, reference applications, and a guided Matter Developer Journey —including certification checklists and lalready test projects—to accelerate product development and certification.

Learn more:

- SiMG301 product page
- SiBG301 product page
- Series 3 platform overview
- Silicon Labs CTO Daniel Cooley's blog post on PSA Level 4
- Silicon Labs Matter Developer Journey

About Silicon Labs

Silicon Labs (NASDAQ: SLAB) is the leading innovator in low-power connectivity, building embedded technology that connects devices and improves lives. Merging cutting-edge technology into the world's most highly integrated SoCs, Silicon Labs provides device makers with the solutions, support, and ecosystems needed to create advanced edge connectivity applications. Headquartered in Austin, Texas, Silicon Labs has operations in over 16 countries and is the trusted partner for innovative solutions in smart home, industrial IoT, and smart cities markets. Learn more at www.silabs.com.

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