TuyaOpen Adds Support for Silicon Labs SiWx917 Low-Power Wi-Fi SoC

SDK integration and AI-assisted development tools provide a starting point for connected product innovation

AUSTIN, Texas, Nov. 10, 2026 /PRNewswire/ -- Silicon Labs (NASDAQ: SLAB) and Tuya Smart (NYSE: TUYA, HKSE: 2391) today announced support for Silicon Labs' SiWx917 wireless system-on-chip (SoC) in TuyaOpen, Tuya's open-source development framework. The integration gives developers using TuyaOpen a low-power Wi-Fi 6 and Bluetooth LE hardware option for connected devices.

The SiWx917 platform integration is available through Tuya's open-source repositories. Alongside the TuyaOpen IDE, it provides developers with a path to evaluate connected product concepts, including connected toys and devices that use cloud-based AI services. The IDE offers AI-assisted coding capabilities that can help developers create and refine application code within the TuyaOpen framework.

"SiWx917 combines low-power multi-protocol wireless connectivity, application processing and hardware-based security in a single chip," said Irvind Ghai, Vice President of Wi-Fi at Silicon Labs. "Support in TuyaOpen makes those capabilities available to developers building products for the Tuya ecosystem."

News at a Glance

- The TuyaOpen SDK support for Silicon Labs' SiWx917 low-power Wi-Fi 6 and Bluetooth LE SoC.
- Developers gain another low-power hardware option and access to TuyaOpen's cross-platform framework and AI-assisted development workflow.
- Platform code and support for the Silicon Labs BRD2605A and Sekorm SiWx917 AI development kits provide a starting point for evaluation.

Hardware and Development Support
SiWx917 combines Wi-Fi 6 and Bluetooth LE connectivity with an Arm Cortex-M4 application processor, hardware-based security and power management. Its integrated architecture can help developers reduce the number of components needed for wireless connectivity and application processing.

The TuyaOpen integration includes support for the Silicon Labs BRD2605A SiWx917 Development Kit and the Sekorm SiWx917 AI Development Kit. These boards provide hardware for prototyping and evaluating applications using the SDK.

AI-Assisted Development in the TuyaOpen Ecosystem
TuyaOpen provides a C/C++ software framework and a hardware abstraction layer designed to separate application code from chip-specific functions. Its associated TuyaOpen IDE brings project setup, compilation, device programming and serial log debugging into one development environment.

The TuyaOpen IDE also offers AI-assisted development capabilities, including natural-language assistance for generating and adapting application code. TuyaOpen's broader ecosystem connects device development with cloud-based services and multimodal AI offerings. These ecosystem capabilities can help developers explore AI-enabled connected products while using SiWx917 as a supported hardware target. Availability of individual IDE and AI functions may depend on the selected workflow and platform configuration.

"Adding SiWx917 support gives TuyaOpen developers another hardware option for connected product development," said Hsuan Han Lai, Head of TuyaOpen at Tuya Smart. "The SDK integration and supported development boards provide a starting point for evaluating designs that use low-power Wi-Fi connectivity and AI-assisted development tools."

Availability
The TuyaOpen SDK and SiWx917 platform integration are available through the following open-source repositories. Documentation and development resources are available at the links below.

- TuyaOpen SDK: https://github.com/tuya/TuyaOpen
- SiWx917 platform integration: https://github.com/tuya/TuyaOpen-SiliconLabs
- TuyaOpen IDE: https://tuyaopen.ai/tuyaopen-ide
- Silicon Labs BRD2605A Development Kit: https://www.silabs.com/development-tools/wireless/wi-fi/siwx917-dk2605a-wifi-6-bluetooth-le-soc-dev-kit

Availability and ordering information for the Sekorm SiWx917 AI Development Kit will be provided by Sekorm.

About Tuya Smart
Tuya Inc. (NYSE: TUYA; HKEX: 2391) is a leading global AI cloud platform service provider dedicated to bringing AI into everyday life. Through its TuyaOpen open-source development framework and universal AI Agent engines, including the AI Agent development platform, Tuya integrates multimodal AI capabilities to lower barriers for AI development, efficiently advancing the realization of AI-driven lifestyles and accelerating AI integration with the physical world. Tuya offers innovative physical AI solutions for smart devices, commercial applications, and industry developers through its cloud computing and spatial intelligence capabilities. It also provides a complete, open, and neutral global AIoT ecosystem.

As of June 30, 2026, the Tuya AI Developer Platform had over 2,092,000 registered AI developers from more than 200 countries and regions.

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 sixteen countries and is the trusted partner for innovative solutions in smart home, industrial IoT, and smart cities markets. Learn more at https://www.silabs.com.

SOURCE Silicon Labs

For further information: Media contact: Sam Ponedal, Head of PR, pr@silabs.com; Tuya Smart media contact: Xiaoyu Qian, Tuya Smart, pr@tuya.com

---

Additional assets available online: Images (2)

https://news.silabs.com/2026-11-10-TuyaOpen-Adds-Support-for-Silicon-Labs-SiWx917-Low-Power-Wi-Fi-SoC