



Digi International and Silicon Labs to Deliver Wi-SUN® End-to-End Solution for Global Smart Cities, Utilities, Industrial IoT, and Renewable Energy Applications

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Digi XBee® for Wi-SUN enables standards-based and IP-based mesh networking at scale

MINNEAPOLIS--(BUSINESS WIRE)--Sep. 9, 2025-- [Digi International](#), (NASDAQ: DGII), a leading global provider of Internet of Things (IoT) connectivity solutions, today announced the upcoming availability of the [Digi XBee® for Wi-SUN® solution](#). This offering is designed to simplify and accelerate the rollout of interoperable and secure IP-based mesh networks for smart city, utility, renewable energy, and industrial IoT applications.

This press release features multimedia. View the full release here: <https://www.businesswire.com/news/home/20250909345417/en/>



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Wi-SUN (Wireless Smart Ubiquitous Network) is the leading IPv6-based sub-GHz mesh networking technology for IoT applications. Built on IEEE 802.15.4g standards and governed by the [Wi-SUN Alliance®](#) with over 300 members, Wi-SUN

creates self-healing wireless mesh networks that have proven their reliability through over 100 million devices deployed globally in mission-critical applications.

The technology supports both battery-operated and powered infrastructure nodes, with adaptable data rates from 50 kbps to 2.4 Mbps to match application-specific requirements. The open standards-based approach of the Wi-SUN protocol delivers enterprise-grade security, interoperability across multiple vendors, and scalable connectivity from single sites to entire regions.

All components of the Digi XBee for Wi-SUN solution are designed to work together seamlessly:

- **Modules**

Built on Silicon Labs' EFR32 platform, [Digi XBee® for Wi-SUN modules](#) serve as smart mesh nodes with local MicroPython edge processing, and optional Bluetooth LE connectivity for sensor connectivity or provisioning

- **Border Routers**

Digi XBee Hive™ Border Routers act as cost-effective Wi-SUN network gateways with built-in connectivity (LTE, Wi-Fi, Ethernet), container-based edge computing, and features such as IPv6/IPv4 address translation for simplified integration into existing network environments

- **Network Management Tools**

[Digi Remote Manager®](#) is the cloud-based [command center](#) for network and device management, health monitoring, remote updates, managed container deployment, and enterprise system integration options through open APIs, while [Digi XBee Studio](#) offers local development and on-site field support tools

Building on Wi-SUN's robust security foundation, [Digi TrustFence®](#) also integrates Silicon Labs' PSA Level 3-certified [Secure Vault High™](#) on both modules and border routers, providing a strong additional layer of hardware-anchored protection against cyber security attacks.

Together, the solution components enable customers to build, deploy, and manage edge-intelligent and secure Wi-SUN networks at scale.

"Solutions like Digi XBee for Wi-SUN are essential in making the advanced capabilities of Wi-SUN broadly accessible," said Rob Shane, Vice President of Mass Market Sales and Applications at Silicon Labs. "They reduce product development complexity, while allowing customers to focus on delivering innovation in real-world applications."

Digi's commitment to interoperability will ensure compatibility with the existing Wi-SUN ecosystem through the official Wi-SUN CERTIFIED™ program. Additionally, unique features such as Digi's support for [Cisco OpenCSMP](#) create the potential for future integration with existing utility Wi-SUN networks, enabling infrastructure sharing opportunities that can reduce deployment costs and deliver new, significant value for smart city and industrial IoT applications beyond traditional utility metering.

"Working with Silicon Labs, we are delivering the industry's first complete Wi-SUN end-to-end solution that is interoperable and optimized to work seamlessly together from day one," said Mike Rohmoser, Vice President of Product Management, OEM Solutions at Digi International. "By combining our expertise, we enable customers across industries to harness the full potential of secure, standards-based IP mesh networking with Wi-SUN."

To learn more about Digi XBee for Wi-SUN, upcoming availability, and to talk to us about your projects, visit www.digi.com/wi-sun.

About Digi International

Digi International (NASDAQ: DGII) is a leading global provider of IoT connectivity products, services, and solutions. It helps companies create next-generation connected products and deploy and manage critical communications infrastructures in demanding environments with high levels of security and reliability. Founded in 1985, Digi has helped customers connect more than 100 million things and counting. For more information, visit www.digi.com.

About Silicon Labs

Silicon Labs (NASDAQ: SLAB) is the leading innovator in low-power wireless 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 the smart home, industrial IoT, and smart cities markets. Learn more at www.silabs.com/.

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