



# Inventek Systems

Embedding Connectivity Everywhere

*Inventek Systems introduces the*

## **ISM43439-WBP-L151**

*IoT SiP platform, an 802.11 b/g/n + 5.2 BT/BLE + PSoC 6 MCU (Cortex M0 & M4),  
connectivity module.*

Inventek Systems is excited to announce the **ISM43439-WBP-L151** SiP (System in Package), IoT platform.

The **ISM43439-WBP-L151** SiP is a cost-effective, high performance and secured IoT architecture with one of the industry's only dedicated Wi-Fi 4 solutions to deliver the latest WPA3 security standard. As a Wi-Fi/Bluetooth/BLE combo chip for IoT applications, the new Inventek **ISM43439-WBP-L151** module will make it easier for product designers to comply with new security regulations currently emerging worldwide, including the California Consumer Privacy Act. This, for example, gives more privacy rights to consumers, including the right to know about the personal information a business collects, and the right for that information to be deleted.

The Inventek **ISM43439-WBP-L151** module also includes an **integrated PSoC 6** MCU. Herald as the sixth generation of the PSoC family, **PSoC 6** is a purpose-built to speed the development of any IoT application, the ultra-low-power dual-core **PSoC 6** family features both an Arm Cortex-M4 and Cortex-M0+ core. Ideally suited for battery-powered applications, the dual-core architecture permits embedded developers to optimize their design for power and performance. As with any IoT application, security is a primary requirement, and the integrated PSoC 6 MCU incorporates Arm's latest platform security architecture (PSA).

The Inventek **ISM43439-WBP-L151** 2.4G, 802.11 b/g/n serial-to-Wi-Fi + BT/BLE 5.2 + PSoC 6 MCU, module includes an integrated TCP/IP stack, an ARM Cortex-M4 + ARM Cortex-M0 (50MHz / 100MHz), 1MB of MCU Flash, 2MB QSPI Flash and the option for both an internal or U.FL external fully certified antenna.

The **ISM43439-WBP-L151** SiP is fully supported by the Inventek **ISM43439-WBP-L151-EVB** Evaluation Board system for designing, programming, and debugging. The **ISM43439-WBP-L151** is also fully supported by the Infineon Modus Toolbox design environment.

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