

BLE Module

For Building Your Smart Devices
Fast at Optimized Cost



SGW1110 & SGW1111

SGW111X BLE Module

Advanced, Highly Flexible, Ultra-low Power

The SGW111X series of multiprotocol SoM enables Bluetooth 5.0/Bluetooth Low Energy (BLE) connectivity for portable and extremely low power embedded systems. Powered by Nordic's nRF52840 Bluetooth® 5/BLE SoC, the SGW111X series can be easily applicable to popular development platforms to make your first smart devices fast at optimized cost.

- Complete RF solution with integrated antenna/external antenna
- Wireless System-on-Chip: Nordic nRF52840
- 128-bit AES HW encryption
- Mechanical Dimension: 10.2mm x 14.1mm x 1.9mm

Benefits

- Accelerate time-to-market
- Reduce engineering efforts
- Reduce development costs
- Best-in-class security

Applications



SGW1110 on PCBA
SGW8130

Wide range of IoT applications:

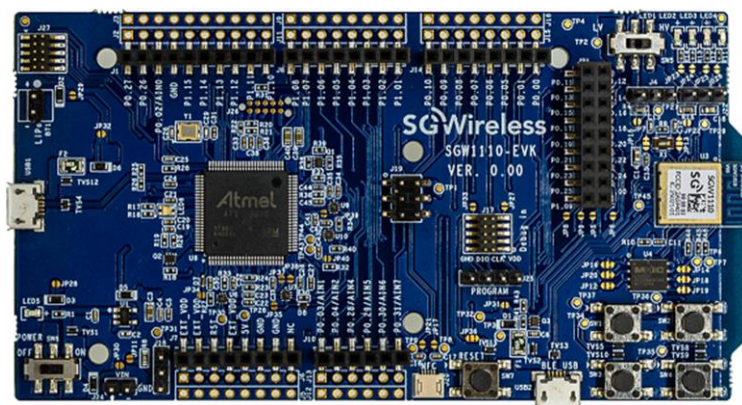
- Smart devices for connected homes
- Smart city infrastructure
- Industrial smart lighting
- Industrial mesh networks
- Smart logistics & transportation

SGW1110-EVK Evaluation Kit

Versatile Single Board Evaluation Kit

The SGW1110-EVK Evaluation Kit enables Bluetooth 5, Bluetooth mesh, NFC and 2.4 GHz proprietary applications on the SGW1110 BLE module.

- Advanced features of the SGW1110 BLE module embedded
- NFC antenna – enables utilization of NFC-A tag peripheral on BLE module
- All GPIOs via edge connectors and headers
- 4 buttons & 4 LEDs: simplifies output and input from ad to BLE module



Ordering Information

Part No	Description
SGW1110	SGW1110 Bluetooth 5 module, built-in antenna
SGW1111	SGW1111 Bluetooth 5 module, U.FL connector for external antenna
SGW1110 -EVK	SGW1110 Bluetooth 5 module Evaluation Kit

About Us

SG Wireless was launched in 2019 by Hong Kong-based Electronics Manufacturer (EMS) Season Group. SG Wireless is a full stack IoT provider aiming to assist customers in taking their IoT concepts to a finished product.

With our global manufacturing capabilities and the extensive wireless experience of our senior leadership team, we pride ourselves on being the only IoT provider offering design, development, manufacturing and everything in between. For more details: www.sgwireless.com

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