

SGW601X Universal IoT Gateway

Scalable and versatile platform for all your connectivity needs.



The SGW601X Universal IoT Gateway is more than its hardware. Sure, it is a powerful, Linux-based device designed to provide a complete IoT connectivity solution with excellent edge computing capabilities. What makes it truly unique is its flexibility – its universal connectors enables its instant transformation into a long-range LoRa gateway with our SGW8100 LoRa Modem, or even a high-capacity cellular gateway, if so required.

In a time of constant changes, and you need the capability to adapt just as quickly, your hardware should grow with you, not the other way round.

- Based on NXP i.MX6ULL ARM® Cortex™-A7 32Tbit Application Processor, @800MHz
- 802.11b/g/n WiFi
- Nordic nRF52840 Bluetooth® 5.0
- 10/100 Ethernet
- USB Host interface
- TLS 1.2 security protocol-compliant
- Hard and soft system reset capability
- 5V DC input (PoE option available)
- -25°C to 65°C operating temperature range
- Dimension: 106 x 184 x 39.5mm

Applications



- Smart city



- Smart appliances



- Industrial and building automation



- Low-power sensor networks



- Logistics tracking



- Home energy management

Plug-and-go LoRa Gateway

Data processing at over 10km

It could not be any easier – our SGW8100 +30dBm LoRa Modem plugs seamlessly into our SGW601X Universal IoT Gateway for an instant ready-to-use LoRa Gateway, enabling data collection and processing of over 10km line-of-sight and even over 6km in urban areas (proven and tested in Hong Kong).

Why have multiple Gateways when all the work (and more) can be done for the price of one?

*SGW601X Universal IoT Gateway and SGW8100 +30dBm LoRa Modem can be purchased together as a bundle or as separate devices. Contact us for details.



Ordering Information

Part No	Description
SGW6011	Universal IoT Gateway with BLE and PoE connectivity
SGW6012	Universal IoT Gateway with BLE, WiFi and PoE connectivity
SGW6010-B-NN-K1	IoT Evaluation Kit with all-inclusive gateway platform (BLE, WiFi, Ethernet, LTE Cat M1/NB1), SGW8130-A Sensor Tag and development tools

About Us

Founded in 2019, SG Wireless is the IoT subsidiary of Hong Kong-based Electronics Manufacturer Season Group, providing customers with full-stack IoT solutions to bring customers' IoT concept to market.

Combining our global manufacturing capabilities and the extensive wireless experience of a team at the forefront of IoT, we pride ourselves on being the only IoT provider offering design, development, manufacturing and everything in between. For more details: visit <https://sgwireless.com/>.

Contact

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