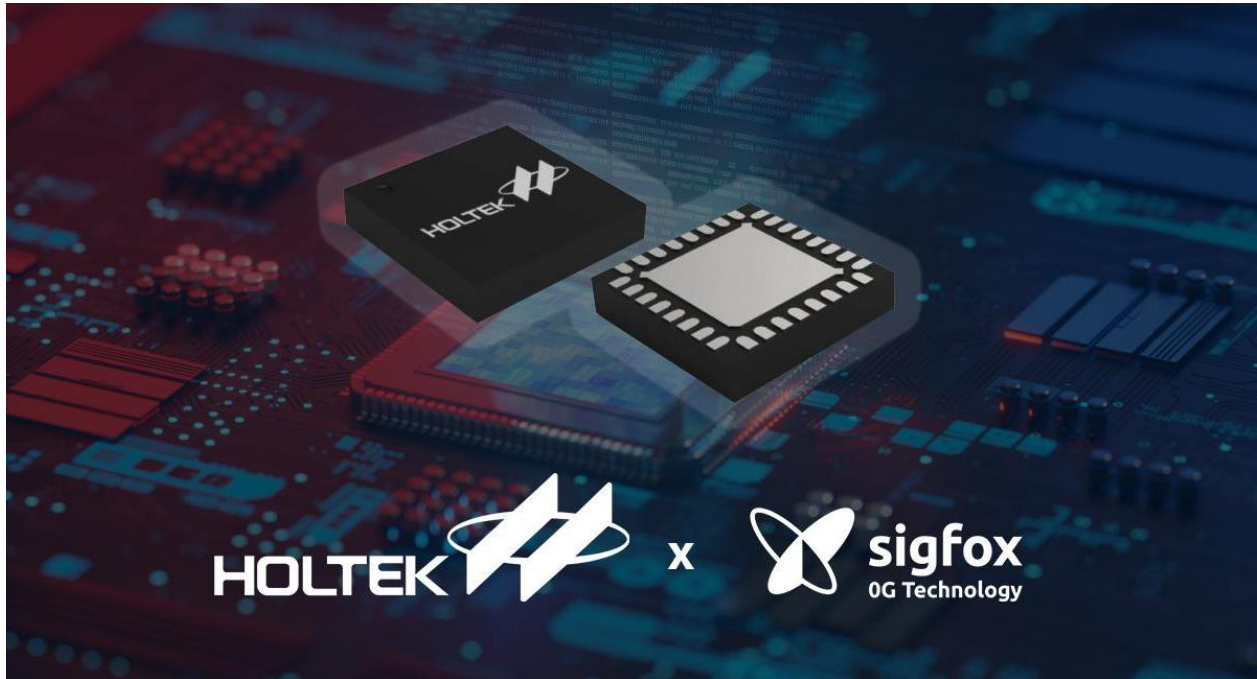


Holtek Enables Sigfox 0G technology on its BC68F2150 Chipset



Wednesday, 31st January 2024, Taipei/ Singapore - Holtek Semiconductor, a leading professional IC design house focused on microcontrollers, partners with UnaBiz, a Massive IoT service provider and integrator, to integrate Sigfox 0G technology into Holtek's BC68F2150, an ultra-cost-efficient chipset. This collaboration aims to bring more energy-efficient and cost-effective Sigfox-based solutions for developers and customers in the logistics and supply chain sector.

In April 2023, [UnaBiz open-sourced its Sigfox device library to the public and IoT community](#). This move has made it easier and more cost-effective for developers, engineers, enterprises, and users to integrate the 0G technology into their IoT devices and applications and develop more efficient and innovative solutions.

The BC68F2150, a Sub-1GHz RF Transmitter OOK/FSK Flash MCU, supports multiple frequency bands including 315MHz, 433MHz, 868MHz, and 915MHz, and complies with ETSI/FCC safety specifications. Designed for a wide array of wireless control applications such as switch remote controllers, office automation, smart homes, and asset management, the Holtek chipset is poised to revolutionize these sectors.

Recognising the shared market focus on ultra-cost-efficient asset management, Holtek and UnaBiz collaborated to integrate the Sigfox library stack onto Holtek's chipset.

Alex Lai, Director International Sales Division of Holtek said, "We are extremely excited about the enthusiastic response received from integrating the Sigfox Library into the Holtek IC. Our collaboration has already begun to bear fruit, with two Proof of Concepts (PoCs) making significant progress in the logistics and supply chain sectors in both Japan and Europe. This early success clearly indicates an unmet need in the market that we are eager to address. We look forward to assisting UnaBiz's customers in the commercial rollout of their solutions in the near future."

From UnaBiz side, the enthusiasm is equally palpable. Alexis Susset, Head of CTO of UnaBiz Group said, "We are pleased to work with Holtek to integrate our open Sigfox Library into their IC to accelerate the deployment of ultra-cost-efficient asset management solutions. This joint effort highlights the relevance and scalability of Sigfox in the Logistics and Supply Chain sector. Such integration expands the addressable market of Sigfox-based asset tracking solution allowing customers to track and trace not just high value assets, but diverse lower value assets too."

Shown below is an evaluation board, the SGB-1501-RC1, designed by UnaBiz and prepared by Best Modules, a wholly-owned subsidiary of Holtek.



Where can I find more information?

Learn more about the BC68F2150 chipset on Holtek's website:

<https://www.holtek.com/page/vg/BC68F2150>

And UnaBiz GitHub:

<https://github.com/sigfox-tech-radio/sigfox-ep-example-holtek-bc68f2150/wiki>

Where can I purchase the chipset?

Best Modules Website: <https://www.bestmodulescorp.com/bc68f2150-24qfn.html>

Where can I purchase the evaluation board?

Best Modules Website:

<https://www.bestmodulescorp.com/SGB-1501-RC1.html>

The developer community can now visit the OG technology's [Github page](#) and [Build Website](#), where they can access the new device library codes and related documentation. For more information, developers and product managers can also join UnaBiz Sigfox technical community on [Slack](#).

Alternatively, please contact UnaBiz to find out more.

Media Contact:

Fu Shuhui

Head of Communications

E: shuhui.fu@unabiz.com M: +65 93366452