

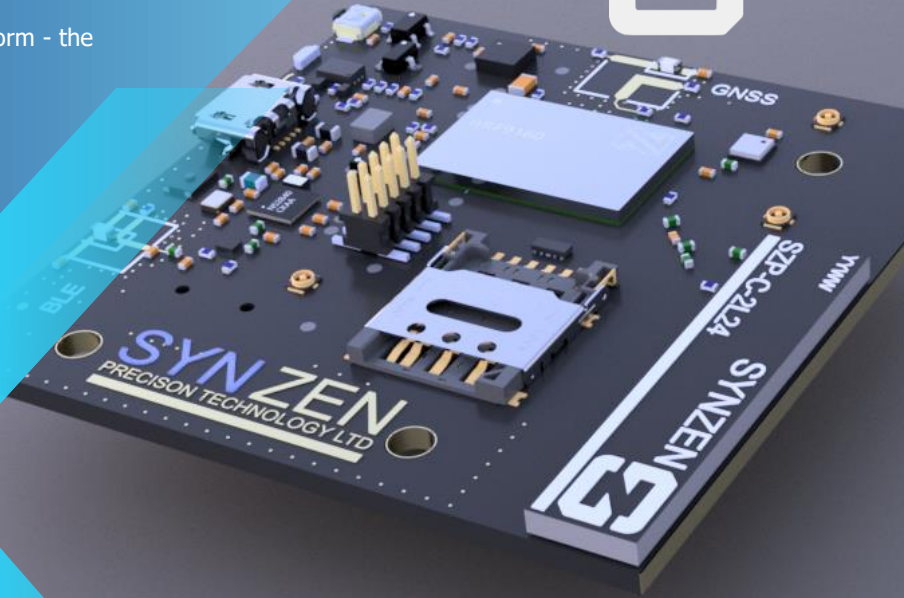
# SYNZEN DEVELOPMENT PLATFORM

Introducing Synzen's new development platform - the ultimate solution for your IoT needs.

Our platform utilizes the advanced capabilities of the Nordic nRF9160 module, with ATRIA antenna for LTE connectivity, SIRIUSa antenna for BLE, and SIRIUSb antenna for GNSS. With our high performing and simplified integration, you can quickly and easily create and deploy IoT projects, while enjoying seamless connectivity and secure data transmission.

Get started today and experience the power of Synzen's new development platform!

# SYNZEN



LTE-M | NB-IoT | GNSS | BLE | NFC



Serves as a reliable reference design with well-known antenna performance on a compact form factor. This makes it an ideal choice for designers and developers who seek to minimize the time and effort required for cellular IoT device development, particularly in terms of antenna integration.

User-friendly, battery-operated prototyping tool designed for cellular IoT development, utilizing LTE-M, NB-IoT, and GNSS technologies. This platform is particularly suitable for the creation of Proof-of-Concept (PoC), demonstrations, and initial prototypes during the cellular IoT development phase.

Development Platform for the nRF9160 System-in-Package (SiP), It comes with various features, including:

- An nRF52840 board controller
- LTE-M/NB-IoT/GNSS, BLE antennas, and NFC coupler
- A user-programmable button and RGB LEDs
- An environmental sensor that can measure temperature, humidity, air quality, air pressure sensor
- A low-power accelerometer and a high-g accelerometer
- A rechargeable Li-Po battery



## Contact Us

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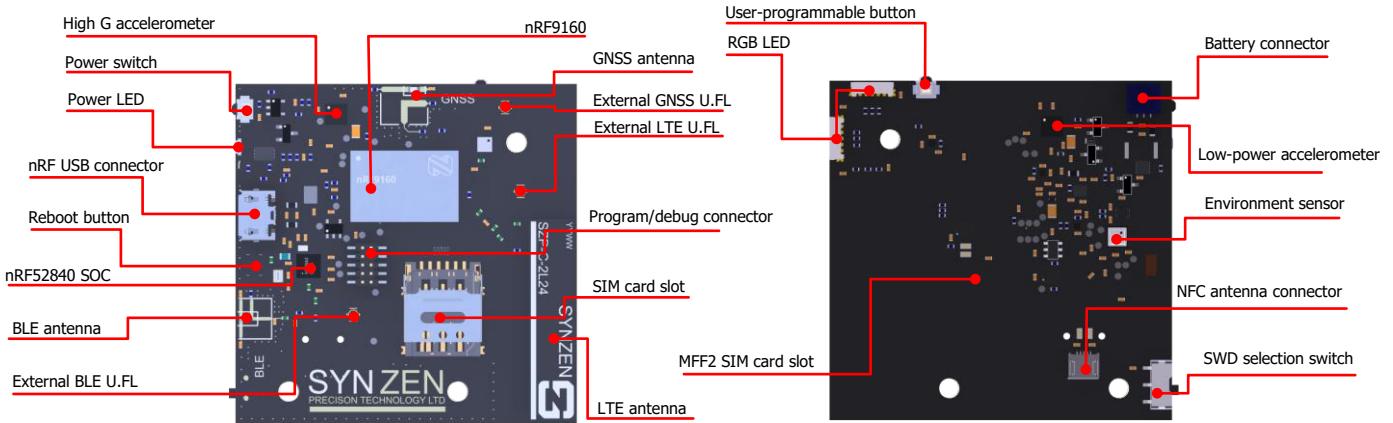
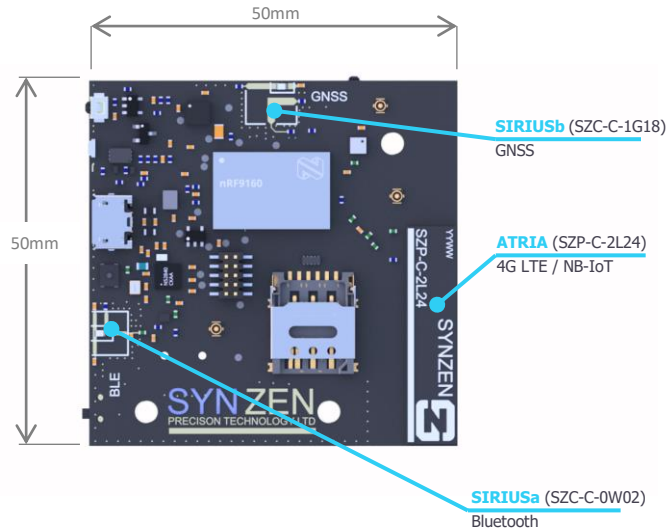
Phone: +886 (0) 2 2659 8030

**Introducing** Synzen's new development platform - the ultimate solution for your IoT needs, leveraging the powerful Nordic nRF9160 module with optimized antenna solutions to provide superior connectivity for your projects. Our platform includes the ATRIA antenna for LTE-M connectivity, SIRIUSa antenna for BLE, and SIRIUSb antenna for GNSS.

**ATRIA** antenna has been specifically engineered to offer outstanding coverage for LTE-M networks, ensuring dependable and low-latency connectivity even in highly demanding conditions. Thanks to ATRIA, you can experience seamless and rapid data transfer, all while enjoying a robust and consistent connection to your network. Unlike other antennas, ATRIA doesn't require complicated active tuning, enabling you to achieve optimal performance at a reduced cost and with a simplified circuit.

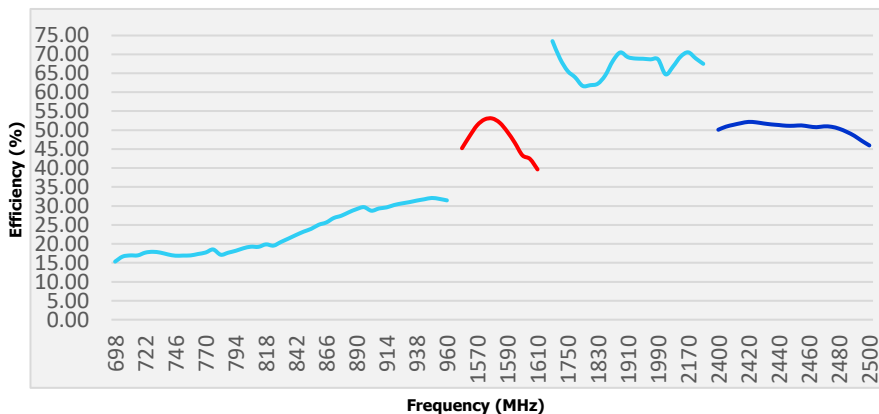
**SIRIUSa** antenna is specifically designed for BLE connectivity, providing exceptional performance and range for your Bluetooth-enabled devices. With SIRIUSa, you can easily connect to a wide variety of devices and services, while enjoying fast and secure data transfer.

**SIRIUSb** antenna is optimized for GNSS connectivity, providing reliable and accurate positioning information for your devices. With SIRIUSb, you can enjoy precise location tracking, even in challenging environments.



## Antenna Efficiency | TRP | on 50 x 50 mm PCBA

**ATRIA** (SZP-C-2L24) 4G LTE / NB-IoT    **SIRIUSb** (SZC-C-1G18) GNSS    **SIRIUSa** (SZC-C-0W02) Bluetooth



**Target Minimum for Low Bands**

