![Meritech logo — Your efficiency, Our passion]

RA Ecosystem Partner Solution

Meritech monoZero

Solution Summary

monoZero is a flexible, cutting-edge IoT development board developed by Meritech`s monoZ. Its compact and versatile design, coupled with the Renesas RA6M5 MCU and LTE Cat-M1 module, ensures seamless global usability for a wide range of IoT applications. By leveraging the monoZ:SDK libraries, firmware development becomes more efficient, significantly reducing design cycle and enabling faster time-to-market for your IoT projects. With monoZero, users can streamline the time and cost-intensive proof of concept (POC) phase to accelerate product development.

Features/Benefits

- Supports variety of peripherals including I2C, SPI, UART, GPIO and CAN
- SDK supports multiple network communication protocols (LwM2M, MQTT, and HTTP)
- Lowest power consumption with PSM (Power Saving Mode) and eDRX
- Quick trial of IoT ideas: monoZero add-on board provides various functions
- Global evaluation: Supports radio certification (PTCRB, GCF, FCC, ISED, MIC/Japan), and safety standard(CE, UKCA)
- Compatible with 1NCE network

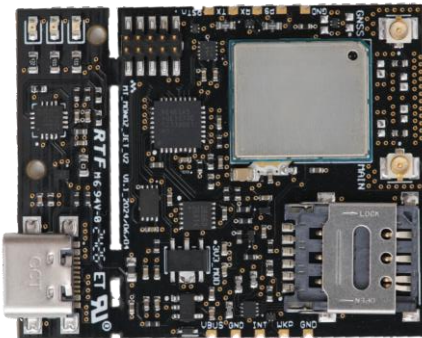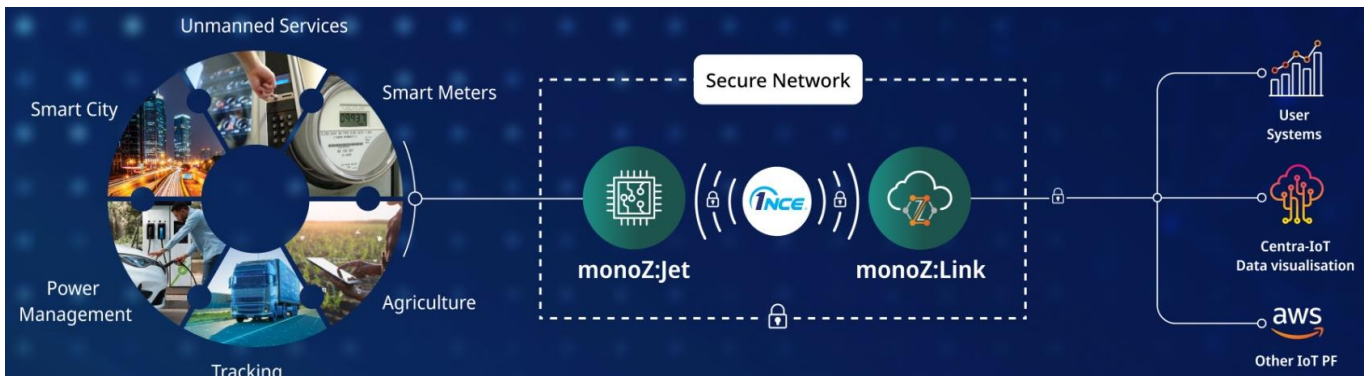## Diagrams/Graphics

monoZero with RA6M5

monoZero Add-on Board

Target Markets and Applications

- Industrial IoT
- Automobile
- Agriculture
- Smart Homes
- Smart Sensors
- Consumer Electronics

https://monoz.io/products/monozero/

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1NCE x monoZ

monoZ is a strategic partner for 1NCE, a global MVNO offering managed connectivity services for low-bandwidth IoT applications. monoZ:Jet is a 1NCE compatible compact low-power solderable System-on-Module (SOM) that enables secure IoT connectivity to user system. monoZ:Jet acts as data pump that push the incoming data from host system to the monoZ:Link IoT cloud platform. It is a ready to use device with preloaded application firmware and can be integrated in different user systems.

Features/Benefits

- UART/USB for host communication
- 1NCE compatible
- No configurations required
- Production ready
- Reduced development time & costs

IT & Engineering Services

Our product engineering services include embedded hardware and firmware, cloud & mobile application development, testing & release. Highly experienced and dedicated offshore team possessing expertise in a wide range of technologies, including AI, ML, and cloud computing, among others.

Contact - monoz