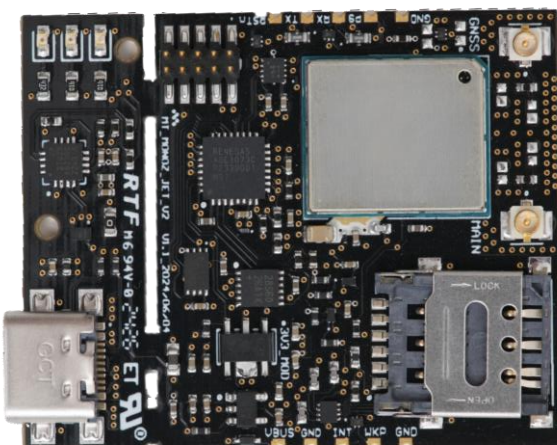# RA Ecosystem Partner Solution

Meritech monoZ:Jet

Solution Summary

monoZ:Jet is a powerful System-on-Module (SOM) developed by Meritech's monoZ, designed to help enterprises seamlessly add IoT capabilities to their products. The compact monoZ:Jet enables low-power wide-area (LPWA) communication in space-constrained designs with Renesas RA0E1 MCUs and Quectel's Global LTE Cat-M1/NB-IoT module. It provides easy connectivity to the 1NCE network and Meritech's monoZ:Link, allowing businesses to reduce the cost and complexity of IoT integration while accelerating product development.

Features/Benefits

- Easy integration with no additional configuration setting required, simple serial API for host communication
- Minimal power consumption in low power mode (15 µA in sleep mode)
- Network and IoT-PF connectivity risk mitigation
- Modem compliant to FCC/CE/GCF/PTCRB/IC/RCM/KC/JATE/TELEC/ICASA supporting global use
- Compact form factor：35 x 42 mm
- Supports 1NCE network and monoZ:Link IoT platform

Diagrams/Graphics

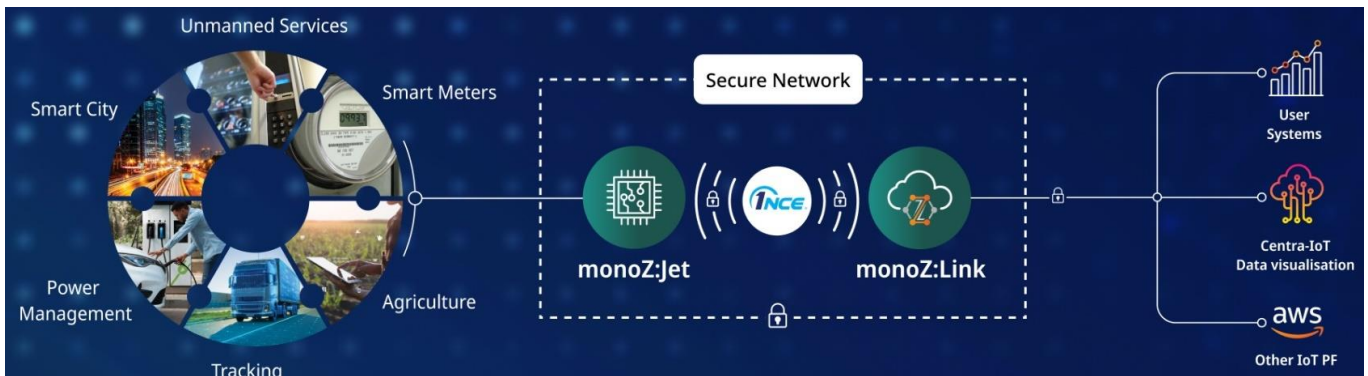## Target Markets and Applications

- Industrial IoT
- Agriculture IoT
- Smart sensor
- Battery monitoring
- Smart city
- Consumer IoT

https://monoz.io/products/monozjet/

2024.10

1NCE x monoZ

monoZ:Link Solution Summary

monoZ is a strategic partner for 1NCE, a global MVNO offering managed connectivity services for low-bandwidth IoT applications. monoZ:Jet is a SOM enabling LPWA communications, and monoZ:Link is an IoT platform optimized for LPWA IoT. The 1NCE network and monoZ:Link are connected in closed off-the-internet network thereby enhancing data security. It supports basic protocols such as TCP, MQTT, HTTP thereby fostering IoT in user`s existing device environment. With features for device bootstrapping & FOTA, monoZ:Link is constructed to handle the key deployments challenges in IoT. monoZ:Jet and monoZ:Link can be used to quickly migrate to low-cost 1NCE services and help reduce overall service costs, help reduce overall service costs.

Features/Benefits

- No-code IoT ecosystem including SIM, device management console, etc.
- High device and data security through secure connection to 1NCE
- Remote device firmware upgrade capability through FOTA service
- Optimized for 1NCE, monoZ ecosystem reduce up to 84% in data consumption
- Supports global deployment with multiple regional instances
- Significant cost savings

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