

RZ Ecosystem Partner Solution

MXT RZ/G3E OSM-L SoM



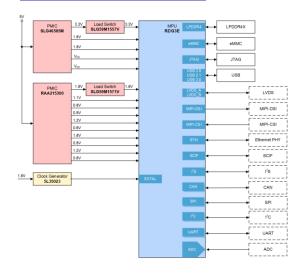
Solution Summary

The MXT RZ/G3E OSM-L SoM integrates the <u>RZ/G3E</u> for high-performance edge computing, power, timing, and memory solutions into a compact, standardized form factor to simplify mass production and reduced bill of materials (BOM) complexity. Standardized interfaces on the SoM support seamless integration of external peripherals, including displays, cameras, USB devices, sensors, audio modules, and more. To ease the SOM's evaluation, prototypes can be submitted soldered on an OSM-2-SMARC adapter, allowing simple operation on a standard-off-the-shelf SMARC carrier board.

Features/Benefits

- Small Form Factor: compact 45x45mm OSM Size-L module
- Evaluation Kit containing OSM Size-L to SMARC adapter and SMARC carrier board
- OS Support: embedded Linux with Yocto-based BSP enables customizable and maintainable software stacks for long-term deployment.
- Memory & Storage: 8GB LPDDR4X (optional 1GB, 2GB or 4GB), 16GB eMMC (optional 4GB up to 64GB)
- Wide operating temperature range from -40°C to 125°C

Block Diagram/Graphics



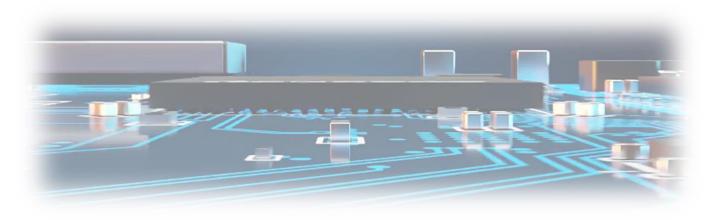


Target Market and Applications

- Industrial HMI
- Industrial computer
- Industrial gateway
- Building control
- Home security hub
- Smart doorbell
- Smart thermostat
- · Patient monitor
- Home automation

www.mxt.ro/





About Us

MXT is an Independent Design house focused on providing full-stack solutions for embedded products. Based out of Romania, MXT's mission is for integrating multiple technologies – embedding anything- with a people-oriented focus on high performance delivery.

Always providing a tailored market approach, MXT assists you during the entire development cycle, form the concept phase design, up to production. Combining a strong technical background in electronics and information technology with hands-on experience in complex projects, we are able to handle your requirements and challenges, offering you the optimal solution for your project.

Services

1.

Software services

Embedded solutions & design Linux customization

Real Time OS

Board support packages

Customized software applications

Basic software development

(AUTOSAR 4.x)

Flash bootloaders

FPGA programming
HMI design and implementation

2.

Hardware services

SOM Design

ARM based embedded boards

Motor control

Schematic design PCB layout design

High speed design

Low power design

Hardware laboratory

3.

PoC & prototyping

Schematic and layout design PCB & PCBA

Customized software

applications
R&D activities

4.

Technical trainings

On request, for embedded related area

Contact

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