

## RZ Ecosystem Partner Solution

# Ka-Ro Computer-on-Module

## QSRZ-G2L0 / QSRZ-G2L1



### Solution Summary

The QSRZ with [RZ/G2L](#) microprocessor is a QFN style solder-down Computer-on Module. The module in a small square size is single-sided assembled. Its QFN type lead style has a 1mm pitch with 100 pads. The ground pad additionally acts as thermal pad.

Ka-Ro develops and maintains its own Yocto-based Linux distribution. The close contact to Ka-Ro's design and support engineers accelerates the process of module integration.

### Features/Benefits

- RAM 512MB/1GB DDR3L SDRAM
- ROM 4GB eMMC
- Power supply 3.3V only
- Size 27mm x 27mm x 2.7mm
- Grade Industrial
- Temperature -40°C to 85°C
- 2x 1.2 GHz Arm® Cortex®-A55 core
- 200 MHz Arm® Cortex®-M33 core
- 500-MHz Arm® Mali™-G31
- H.264 Video Codec Processor
- RGB display interface
- MIPI-DSI (2-lanes) display interface

### Diagrams/Graphics



### Target Markets and Applications

- Handheld Medical and Small Devices
- Artificial Intelligence and Machine Learning
- Industrial IoT and Edge Computing
- Smart City and Smart Energy Applications
- Transportation Applications

## What does Ka-Ro stand for?

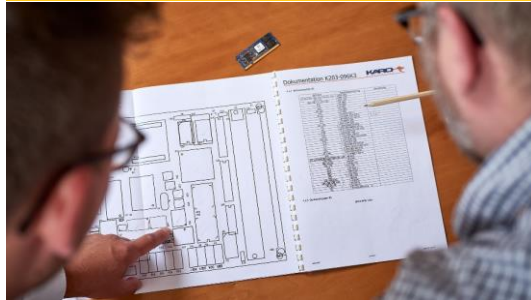
Your electronics specialist since 1988 stands for reliability and efficiency. More than a thousand customers worldwide rely on Ka-Ro's expertise in manufacturing, electronics development and Computer on Modules. State-of-the-art production lines, experienced and committed development engineers and a module series that is unmatched with its family concept. You can rely on our individual advice and support.

### Computer-on-Modules



Extensive experience in the development and production of CoMs

### Services



Development, consulting, production, optimization, software support – we don't leave you alone.

### Manufacturing



Ultra-modern machines, several production lines, fast processes.

### Contact

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