

RZ Ecosystem Partner Solution

Ka-Ro Computer-on-Module QSRZ-G2L0 / QSRZ-G2L1



Solution Summary

The QSRZ with <u>RZ/G2L</u> 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

QSRZ (karo-electronics.com)



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