

# RZ Ecosystem Partner Solution

## SoMLabs VisionSOM-G2L



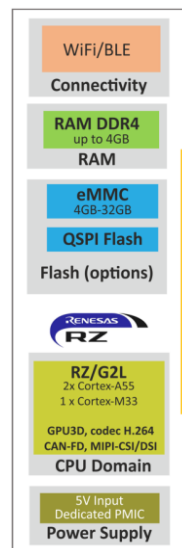
### Solution Summary

The VisionSOM-G2L is a small size, and energy-efficient SoM (System on Module) equipped with dual core, heterogenous [RZ/G2L](#) MPU. The VisionSOM-G2L has high-speed communication interfaces such as dual USB2.0 and Gigabit Ethernet, dual CAN-FD, and many multimedia functions including 3D graphics engine with Arm Mali-G31 and video codec (H.264), making it ideal for applications such as industrial HMI and embedded devices with video capabilities.

### Features/Benefits

- Heterogenous Arm Cortex®-A55 Dual core RZ/G2L @1.2GHz + Cortex-M33 @200MHz
- Equipped with eMMC and DDR4 memory
- Equipped with on-board WiFi/BT-BLE and antenna connector
- Edge Connector Features (Dual Giga Ether, USB, MIPI-DSI/MIPI-CSI, CAN, UART/SPI/I2C serial communication, on-board ADC)
- Small SODIM200 footprint (67x32 mm)
- Carrier Board and Linux BSP available

### Diagrams/Graphics



### Target Markets and Applications

- Industrial controls
- Medical devices
- Smart home
- Smart buildings
- Consumer electronics
- EV sub systems



Single Board Computers (SBC), System on Modules (SOM) designer and manufacturer - SoMLabs



# Connecting the Future

**Customer-centric.  
Providing ready to use solution.  
Enabling applications of tomorrow.**

SoMLabs

Lwowska 5

05-120 Legionowo

Poland

Tel. +48 22 767 36 20

Email: [somlabs@somlabs.com](mailto:somlabs@somlabs.com)