

## RZ Ecosystem Partner Solution

# iWave OSM LGA Module



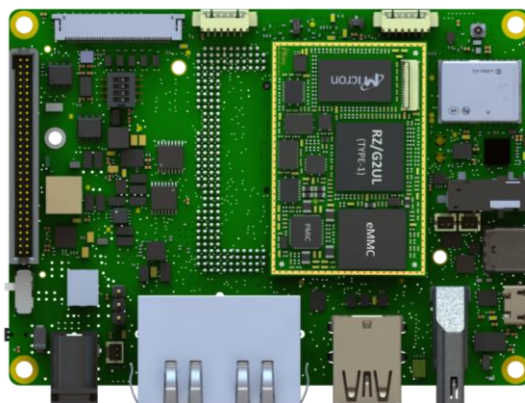
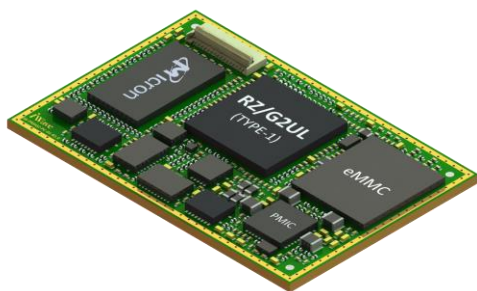
### Solution Summary

The Renesas RZ/G2UL or RZ/A3UL or RZ/Five MPU based LGA modules are designed as per the Open Standard Module™ Size-M Specification (OSM). This module can be integrated with any one of the three Renesas MPUs – [RZ/G2UL](#), [RZ/A3UL](#) or [RZ/Five](#). OSM modules offer an extra level of ruggedness to the products that are susceptible to vibrations, and provision for the smallest pin-to-area ratio allowing the designer to access the maximum number of pinouts.

### Features & Benefits

- CPU:
  - RZ/G2UL: 1 x Arm® Cortex®-A55 (1.0GHz) & Arm® Cortex®-M33 (200MHz)
  - RZ/A3UL : 1 x Arm® Cortex®-A55 (1.0GHz)
  - RZ/Five:1 x RISC-V (AX45MP Single) (1.0GHz)
- Memory and Storage: DDR4 with eMMC Flash
- Video In: MIPI CSI and Video Out: 18bpp RGB
- Key Interfaces including 3 x UART, Dual RGMII, USB2.0, I2C, SDIO, QSPI, SPI, CAN, and PWM.
- OSM Size M Module: 45 x 30 mm
- Industrial grade-based Pico ITX SBC/EVK with Linux OS for Quicker development

### Diagrams/Graphics



### Target Markets and Applications

- Industrial
- Medical
- Transportation
- Smart Machines
- Automation

Company Name	<b>iWave Systems Technologies Pvt Ltd</b>
Address	iWave Systems Technologies Pvt Ltd. #7/B, 29th Main, BTM Layout 2nd Stage, Bangalore - 560 076
Email	<a href="mailto:mktg@iwavesystems.com">mktg@iwavesystems.com</a>
Contact	Ph: +91-80-26683700, 26786245
Company Over View	iWave Systems Technologies is an ISO 9001:2015 certified company, headquartered in Bangalore India established in the year 1999. The company focuses on providing embedded solutions and services for Industrial, Medical, Automotive and various other Embedded Computing applications. iWave Systems offers a wide range of System On Modules and Single Board Computers built using a wide range of CPU and FPGA SoC platforms with different form factors such as Qseven, SMARC, OSM, SODIMM, and HPC.