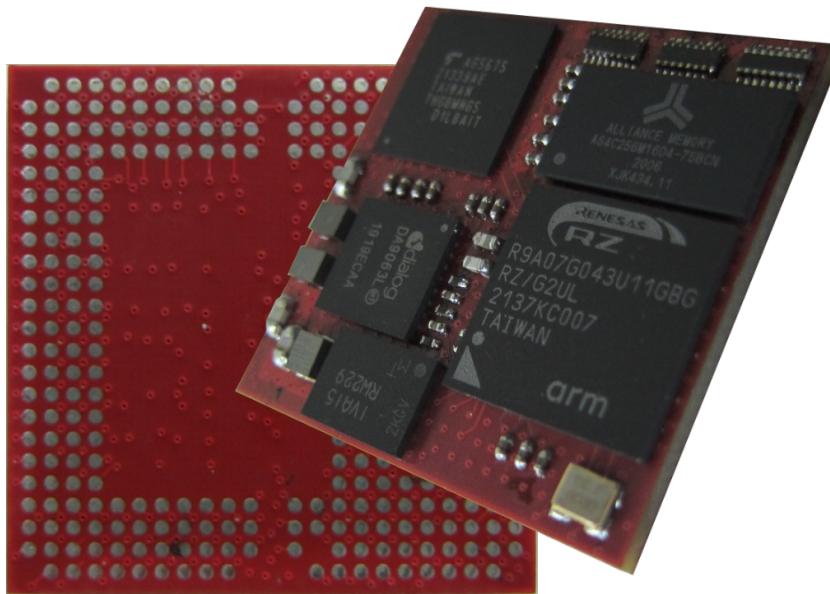# MSRZG2UL System In Package

The MSRZG2UL is the Open Standard Module compliant System-In-Package based on Renesas RZ Family architecture offering high-performance Cortex-A55/Cortex-M33 core. The MSRZG2UL combines compact design and a wide range of services, bringing low power consumption, thermal efficiency and low-cost to embedded systems.

The chosen OSM form factor supports 332 contacts, offers almost all of the CPU functionality on the contacts and is therefore suitable for most industrial applications.

MSRZG2UL featureset:
- Single Cortex-A55, up to 1GHz
- Cortex-M33, up to 200MHz
- 512MB – 4GB DDR4 RAM
- 4GB eMMC NAND Flash
- dual 10/100/1000MBit Ethernet
- USB2.0 Host/OTG
- 2x CAN
- UART, I2C, SPI
- ADC
- display port
- camera interface
- compliant to the SGET OSM standard
- size S, 30x30mm²
- pin count: 332
- commercial (0°C...+70°C) / industrial (-40°C...+85°C) temperature range

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