

# RTK9744C22S01000BE

Active

## RZ/G2LC Evaluation Board Kit

This evaluation board kit is ideal for evaluating RZ/G2LC. The RZ/G2LC Evaluation Board Kit consists of a module board (SOM) and a carrier board. The carrier board can be commonly used with RZ/G2L, RZ/G2UL, and RZ/V2L modules (SOM) prepared according to the SMARC v2.1 standard. This allows you to experience seamless and flexible evaluation between these devices.

## Features

- Device: RZ/G2LC (R9A07G044C22GBG)
  - Cortex-A55 Dual, Cortex-M33, Non-Secure
  - BGA361pin, 13mmSq body, 0.5mm pitch
- Module Board Function
  - DDR4 SDRAM: 1GB × 1pc
  - QSPI flash memory: 512Mb × 1pc
  - eMMC memory: 64GB × 1pc
  - The microSD card slot is implemented and used as an eSD for boot.
  - 5-output clock oscillator "[5P35023 \(/5p35023\)](#)" implemented
  - PMIC power supply "[RAA215300 \(/raa215300\)](#)" implemented
- Carrier Board Function
  - The FFC/FPC connector is mounted as standard for connection to high-speed serial interface for camera module.
  - The Micro-HDMI connector via DSI/HDMI conversion module is mounted as standard for connection to high-speed serial interface for digital video module.
  - The Micro-AB receptacle (ch0: USB2.0 OTG) and A receptacle (ch1: USB2.0 Host) are respectively mounted as standard for connection to USB interface.

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- The Micro-AB receptacles are implemented for connection to asynchronous serial port interface.
- The microSD card slot and two sockets for PMOD are implemented as an interface for RZ/G2L peripheral functions.
- For power supply, a mounted USB Type-C receptacle supports the USB PD standard.

## [DOWNLOAD MANUAL - DEVELOPMENT TOOLS](#)

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