

# VK-RZ/G2UL

## ver. 1.0

Raspberry Pi 4 form factor  
 Renesas Electronics RZ/G2UL  
 ARM Cortex-A55, Cortex-M33

### R9A07G043U11GBG

- 1GHz, 361pins BGA, Fanless

### On board RAM

- 2GB DDR4, 1.6GHz

### On board ROM

- 16MB QSPI, 133MHz, NOR Flash
- 16GB eMMC, 200MHz, NAND Flash

### Audio

- 3.5mm, CTIA 4pin Mini Jack

### uSD

- Card Holder

### Communication Ports

- 2x USB 2.0 (Hosts), 2x RJ45 (1x PoE)
- 1x CAN FD, 1x RS485, 1x UART

### Exp. Ports

- Standard Raspberry Pi 40pin header (2x20)
- 2x ANI 12bit ADC 6pin header (2x3)
- CAN FD + RS485 6pin header (2x3)
- UART system TTY 4pin header (2x3)

### Connectors

- 1x JTAG (10pin)

### USB C Power IN (5V)

- USB Type **C**, (Power Only), 3A max

### Operating temperature:

- -40° ... +85°

### Dimensions:

- 56 mm x 85 mm
- Mounting holes 4 x Ø2,7 mm

