

VK-RZ/V2L

ver. 2.0

Raspberry Pi 4 form factor
 Renesas Electronics RZ/V2L
 Dual core ARM Cortex-A55, Cortex-M33

R9A07G054L23GBG

- 1.2GHz, 456pins BGA, Fanless

On board RAM

- 2GB DDR4, 1.6GHz

On board ROM

- 32MB (O/Q)SPI, 133MHz, NOR Flash
- 32GB eMMC, 200MHz, NAND Flash

WiFi + BLE

- module DA16600

Audio

- 3.5mm, CTIA 4pin Mini Jack

uSD

- Card Holder

Display interface

- 30pin FPC, 4-lane MIPI DSI port

Camera interface

- 22pin FPC, 4-lane MIPI CSI port

Analog Inputs

- 6x ANI + ADC trigger

uHDMI

- MIPI/DSI Receiver with HDMI Transmitter

Communication Ports

- 2x USB 2.0 (Hosts), 2x CAN FD
- 2x RJ45 (Both Gigabit, One PoE)
- 1x UART (system console tty through USB)

Exp. Ports

- Standard Raspberry Pi 40pin header (2x20)

Console/SYS TTY port:

- uUSB Type **B**, Composite device CDC (+ optional Cortex-M DBG ^[FW])

USB C Power IN (5V)

- USB 2.0 Function, 3A max

Operating temperature:

- -40° ... +85°

Dimensions:

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

