

# RZ/G2LC SOM

Up to 2 x Arm Cortex-A55, 1 x Cortex-M33,  
Up to 1.2 GHz

# Renesas RZ/G2LC Processor System on Module

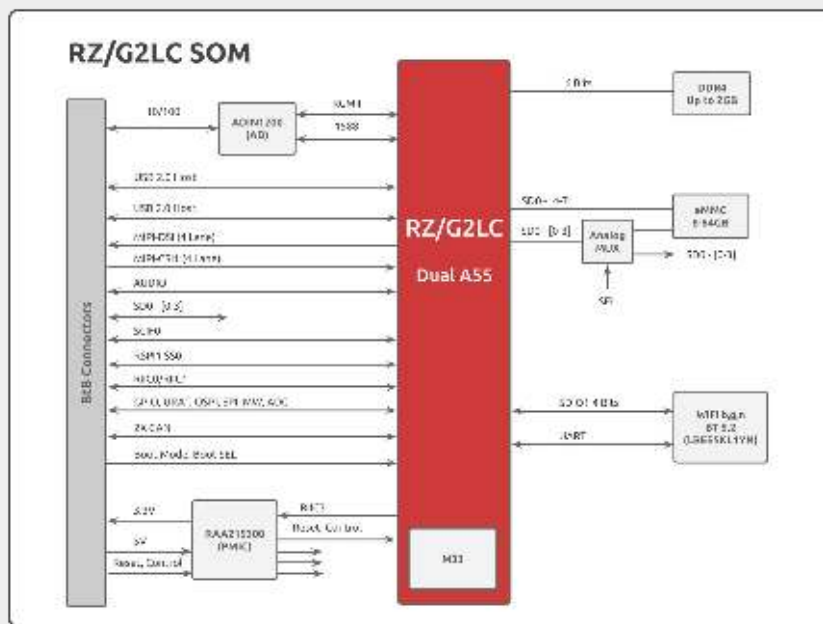


- Dual-core ArmV8 64-bit processors up to 1.2GHz
- Onboard Dual Band WiFi 802.11 a/b/g/n with Bluetooth 4.2
- Pin to Pin compatible with RZ/G2UL application processor (Ordering option)



		RZ/G2LC
CPU Details	CPU Name	Renesas RZ/G2LC
	CPU Type	Up to 2 x Arm Cortex-A55, 1 x Cortex-M33
	CPU Speed	Up to 1.2 GHz
	Floating Point	✓
	SIMD	✓
RAM	RAM	1GB DDR4 with inline ECC
	Internal Storage	8GB eMMC QSPI
	External Storage Support	SD (*) USB 2.0 (*)
Networking	Ethernet	100BASE-T
	Wireless	802.11 a/b/g/n + BT 4.2
Multimedia	GPU	Arm Mali-G31
	3D GPU Support	OpenGL/CL 2.0
	Display Interfaces	1 x MIPI-DSI
	Camera Interface	1 x MIPI-CSI-2
	Digital Audio Serial Interface	1
Connectivity	USB 2.0	2
	I2C	3
	SPI	2
	UART	3
	GPIO	✓
	PWM	✓
	CAN	2
	SD/MMC	Up to 2
	JTAG	Test point header
	OS Support	Embedded Linux
Physical	Size	47 x 30 mm
	Interface	3 x Hirose DF40 connectors
Power	Main Voltage	5V
	I/O Voltage	3.3V
Environment	Temperature	Commercial: 0°C to 70°C Industrial: -40°C to 85°C
	Humidity	Humidity (non-condensing): 10% – 90%

(\*) Only available if WiFi or eMMC options are omitted.



## Ordering Information

Available on Shop	
SKU	Description
<b>SRG2LCDWB1D01GE008V10C0</b>	SOM RZ/G2LC Dual   Inc. WiFi/BT   1GB RAM   8GB eMMC   Com.Temp   R1.0   Unfused

- To choose your ideal configuration see our [Product Configurator Tool](#)

Kits	
SKU	Description
<b>SRG2L-EVKHR-R00</b>	SOM Renesas RZ/G2LC   HummingBoard RZ/G2LC   WiFi 802.11abgn + BT4   1GB  8GB eMMC

For more information about the RZ/G2LC SOM Software/Hardware visit our:

**Developer Center**