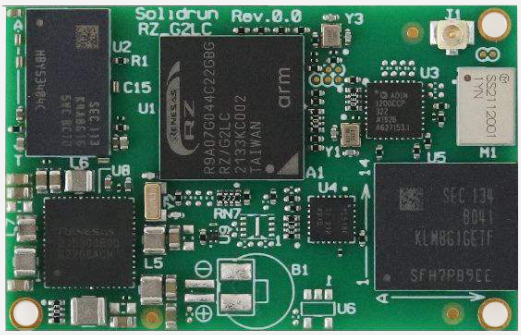
RZ/G2LC SOM

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

Renesas RZ/G2LC Processor System on Module

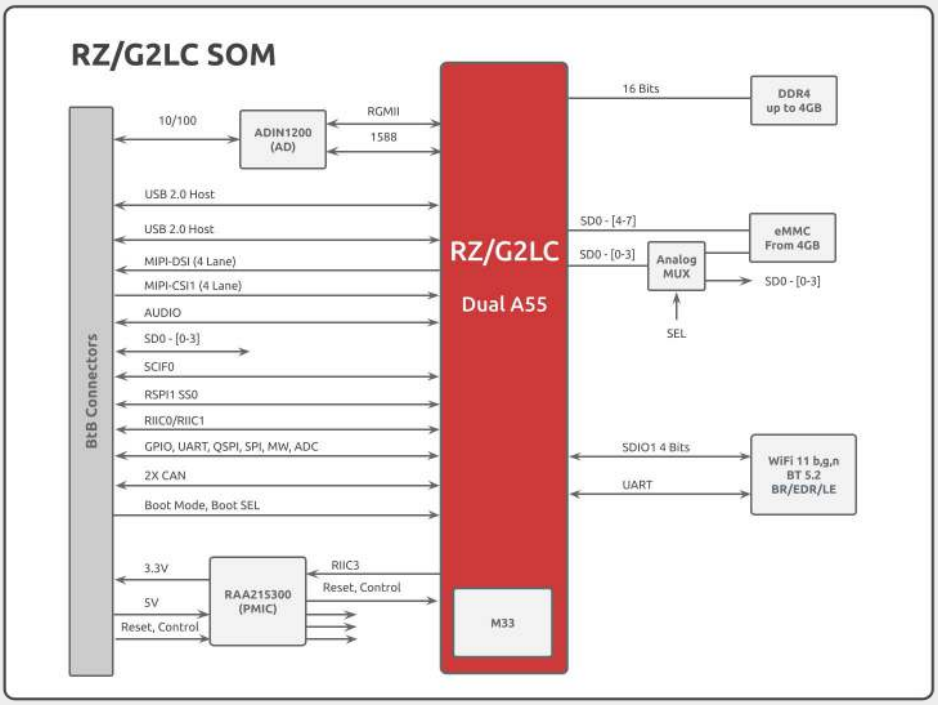


- Dual-core ArmV8 64-bit processors, 1.2GHz
- Onboard 2.4GHz, WiFi 802.11 a/b/g/n with Bluetooth 5.2
- Pin to Pin compatible with RZ/G2UL application processor (Ordering option)

debian ubuntu

		RZ/G2LC
CPU Details	CPU Name	Renesas RZ/G2LC
	CPU Type	2 x Arm Cortex-A55, 1 x Cortex-M33
	CPU Speed	1.2 GHz
	Floating Point	✓
	SIMD	✓
RAM	RAM	1GB DDR4 default, optional: 512MB, up to 2GB DDE4
	Internal Storage	Default: 8GB eMMC, up to 64GB eMMC (HighSpeed Mode, up to 52MHz)
	External Storage Support	SD (*) USB 2.0 (*)
Networking	Ethernet	100BASE-T
	Wireless	802.11 a/b/g/n + BT 5.2
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	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

Kits	Description
Buy Now	SOM Renesas RZ/G2LC | HummingBoard RZ/G2LC | WiFi 802.11abgn + BT 5.2 | Up to 2GB DDR4 | Starting from 8GB eMMC |

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

Developer Center