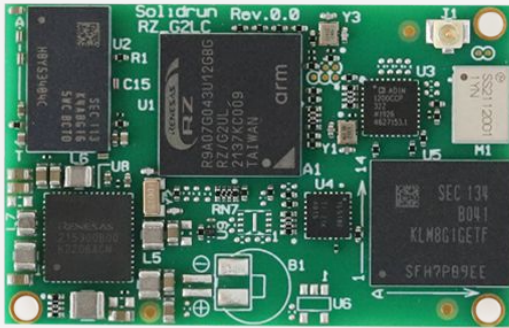


RZ/G2UL SOM

1 x Arm Cortex-A55, 1 x Cortex-M33

Renesas RZ/G2UL Processor System on Module

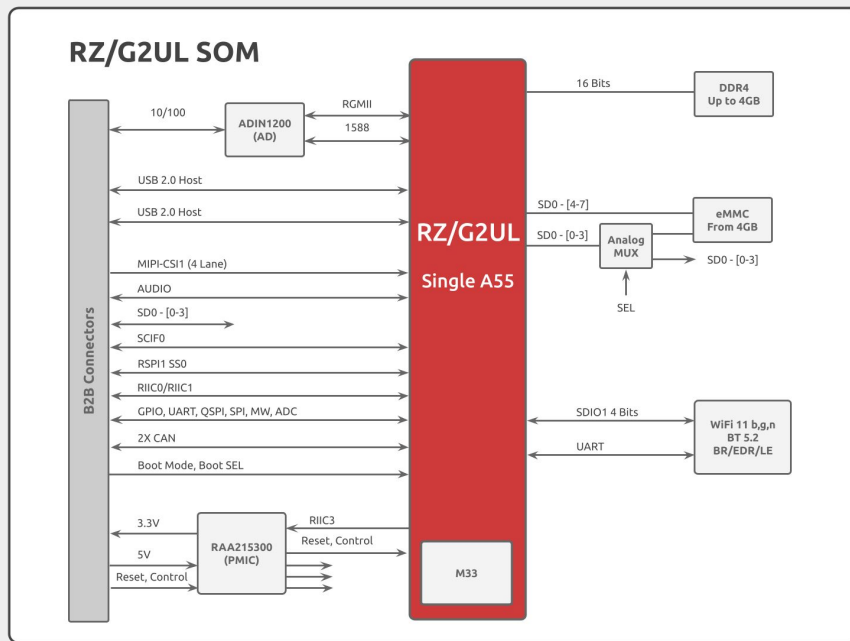


- Single core Arm Cortex A55 up to 1GHz + Cortex M33
- Onboard Dual Band WiFi 802.11 a/b/g/n with Bluetooth 5.2 BR/EDR/LE
- Pin to Pin compatible with RZ/G2LC application processor for demanding application
- Short lead time with a stable supply chain



		RZ/G2UL
CPU Details	CPU Name	Renesas RZ/G2UL
	CPU Type	1 x Cortex-A55, 1 x Cortex-M33
	CPU Speed	1 GHz
	Floating Point	✓
	SIMD	✓
RAM	RAM	up to 4GB DDR4 with inline ECC
	Internal Storage	From 4GB eMMC (Optional) QSPI
	External Storage Support	SD (*) USB 2.0 (*)
Networking	Ethernet	100BASE-T
	Wireless	802.11 a/b/g/n + BT 5.2 BR/EDR/LE (Optional)
Multimedia	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	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	Description
Buy Now	

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

Kits	Description
Buy Now	SOM Renesas RZ/G2LC HummingBoard RZ/G2LC WiFi 802.11abgn + BT 5.2 BR/EDR/LE 1GB From 4GB eMMC

For more information about the RZ/G2 SOMs
Software/Hardware visit our:

[**Developer Center**](#)