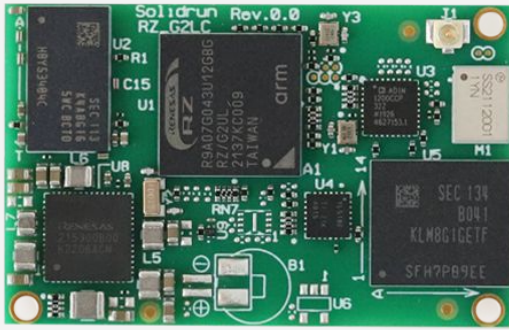


# RZ/G2UL SOM

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

# Renesas RZ/G2UL Processor System on Module

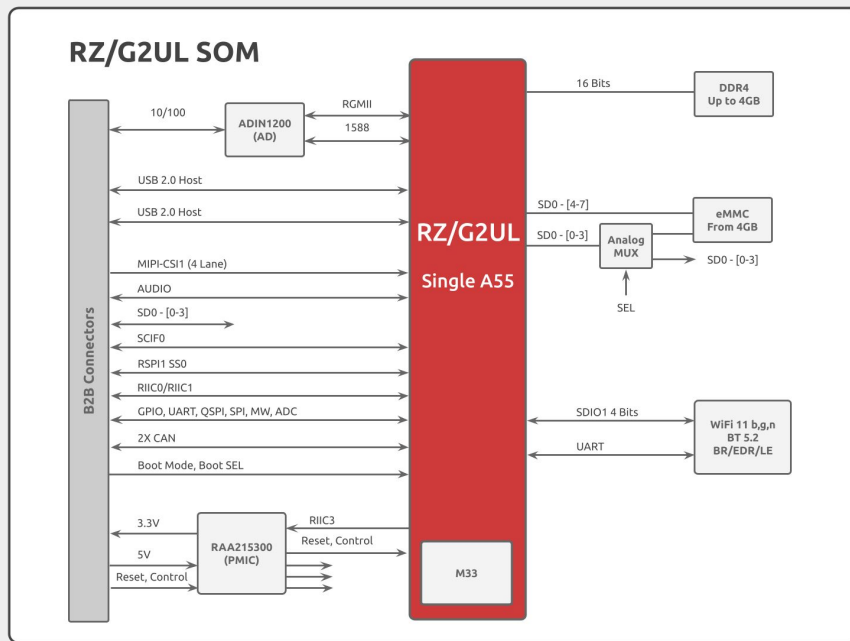


- Single core Arm Cortex A55, 1GHz + Cortex M33
- Onboard Dual Band WiFi 802.11 a/b/g/n with Bluetooth 5.2
- Pin to Pin compatible with [RZ/G2LC](#) application processor for demanding application
- Short lead time with a stable supply chain



		RZ/G2UL
CPU Details	CPU Name	<a href="#">Renesas RZ/G2UL</a>
	CPU Type	1 x Cortex-A55, 1 x Cortex-M33
	CPU Speed	1 GHz
	Floating Point	✓
	SIMD	✓
RAM	RAM	1 GB DDR4 default, optional: 512 MB Up to 2 GB DDR4
	Internal Storage	8 GB eMMC default, optional: up to 64 GB eMMC
	External Storage Support	SD (*) USB 2.0 (*)
Networking	Ethernet	100BASE-T
	Wireless	802.11 a/b/g/n + BT 5.2
Multimedia	Display Interfaces	None
	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
<a href="#" style="background-color: #c00000; color: white; padding: 5px;"><b>Buy Now</b></a>	SOM Renesas RZ/G2LC   WiFi 802.11abgn + BT 5.2   1GB DDR4 default, optional: 512 MB Up to 2 GB DDR4  8 GB eMMC default, optional: up to 64 GB eMMC

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

Kits	Description
<a href="#" style="background-color: #c00000; color: white; padding: 5px;"><b>Buy Now</b></a>	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/G2 SOMs  
Software/Hardware visit our:

**Developer Center**