RZ/G2L SOM

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

Renesas RZ/G2L Processor System on Module

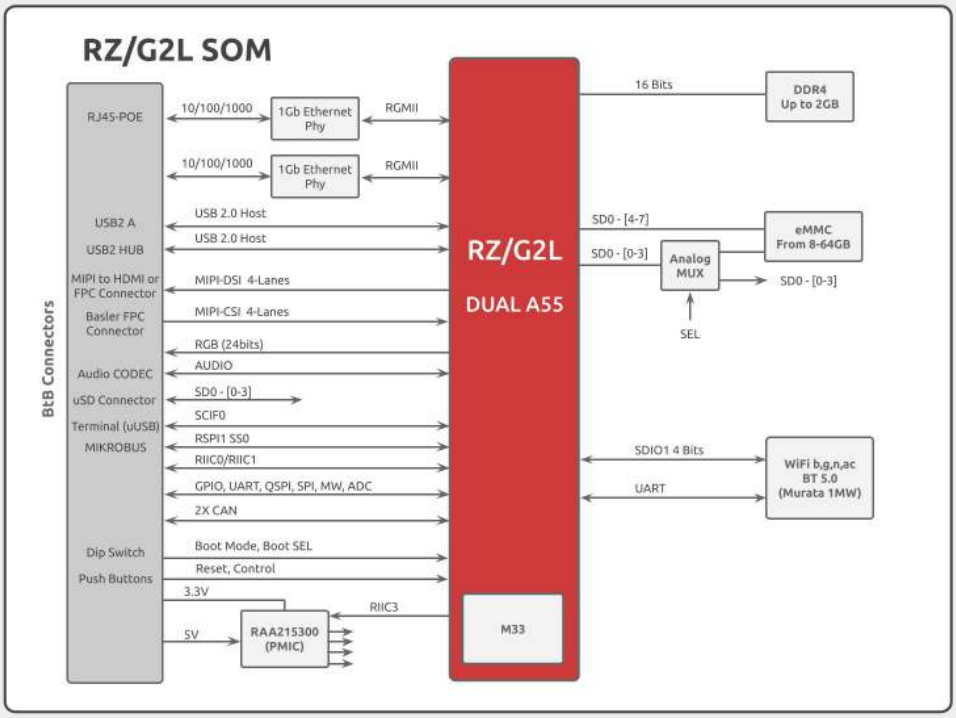


- Dual core Arm Cortex A55, 1.2GHz + Cortex M33
- Onboard Certified Dual Band WiFi 802.11 a/b/g/n/ac with Bluetooth 5.0
- Pin to Pin compatible with RZ/V2L SOM
- Short lead time with a stable supply chain

debian ubuntu

		RZ/G2L
CPU Details	CPU Name	Renesas RZ/G2L
	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: 2GB DDR4
	Internal Storage	8GB eMMC default, optional: Up to 64GB eMMC
	External Storage Support	SD (*) USB 2.0 (*)
Networking	Ethernet	Up to 2x 10/100/1000 Mbps phy on board
	Wireless	802.11 b/g/n/ac + BT 5.0
Multimedia	GPU	Arm Mali-G31- 500MHz
	3D GPU Support	OpenGL ES1.1 / 2.0 / 3.0 / 3.1 and 3.2 Supported OpenCL 2.0 Full Profile Supported
	Video Decoder	H.264 1920x1080 @ 30 fps
	Video Encoder	H.264 1920x1080 @ 30 fps
	Display Interfaces	1 x MIPI-DSI, RGB
	Camera Interface	1 x MIPI-CSI-2 support 5MP, 30 fps
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	SOM Renesas RZ/G2L | HummingBoard Pro | WiFi 802.11a/b/g/n + BT 5 | 2GB | 8GB eMMC
	SOM Renesas RZ/G2L | HummingBoard IIoT | WiFi 802.11a/b/g/n/ac + BT 2.4, BT 5 | Up to 2GB DDR4 | Up to 128GB eMMC
	SOM Renesas RZ/G2L | IIoT-200-RZ/G2L Gateway | WiFi 802.11a/b/g/n/ac + BT 2.4, BT 5 | Up to 2GB DDR4 | Up to 128GB eMMC

For more information about the RZ/G2L SOM Software/Hardware visit our:

Developer Center