RZ Ecosystem Partner Solution
Weathink RZ/G2L CORE BOARD

Solution Summary

The G2L core board is based on Renesas' industrial-grade Arm® RZ/G2L processor family design, Cortex-A55 architecture, running at 1.2GHZ. All components of the core board are industrial grade, and the operating temperature of the whole board can reach -40°C ~ +85°C. This core board can benefit for customer to rapidly development in industrial applications.

Features/Benefits

- CPU: Renesas G2L
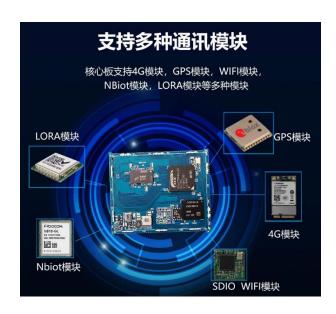- Architecture: Cortex A55 x 2+ Cortex M33
- Frequency: 1.2GHZ
- Memory: 2GB DDR4 industrial grade
- Flash：16MB SPI flash，8GB eMMC
- Operating System: Linux
- Interface mode: Stamp hole

Diagrams / Graphics

Target Markets and Applications

- Multi-media Display
- Display + System Control Terminal
- Industrial 4.0
- Medical Equipment
- Edge Computing Equipment

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Weathink RZ/G2L Core Board:

Weathink Core Board SW Parameter:

U-Boot版本	u-boot-2011.09	
内核版本	Linux-4.19（完全开源）	
烧写方式	SD卡快速烧写	
开发环境	Ubuntu18.04	
支持驱动	网卡驱动(双1000M/100M)	RTC实时时钟驱动
	LED驱动	音频驱动（IIS接口）
	LCD RGB驱动	SPI驱动
	USB2.0接口驱动	串口(含5个串口)
	PWM驱动（背光）	按键驱动
	FlashECC校验	摄像头驱动
	eMMC Flash驱动	MIPI DSI显示驱动
	文件系统	AD驱动
	SD卡驱动	RS485驱动
	LCDFrameBuffer	CAN驱动
	精准触摸驱动(电容)	I2C驱动

Learn more: https://www.weathink.cn/products/hexinban/4.html#