

RZ Ecosystem Partner Solution

Weathink RZ/G2L CORE BOARD



Solution Summary

The G2L core board is based on Renesas' industrial-grade Arm® <u>RZ/G2L</u> 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

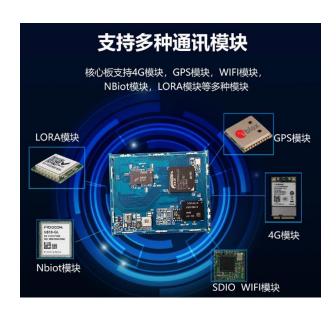
Frequency: 1.2GHZ

Memory: 2GB DDR4 industrial grade
Flash: 16MB SPI flash, 8GB eMMC

Operating System: LinuxInterface mode: Stamp hole

Diagrams / Graphics





Target Markets and Applications

- Multi-media Display
- Display + System Control Terminal
- Industrial 4.0

- Medical Equipment
- Edge Computing Equipment



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 |
| | LEDN区动 | 音频驱动(IIS接口) |
| | LCD RGB驱动 | SP鳴函劃 |
| | 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 Flashstozij | MIPI DSI显示驱动 |
| | 文件系统 | ADNEzh |
| | SD卡驱动 | RS485%区志力 |
| | LCDFrameBuffer | CANN区力 |
| | 精准触摸驱动(电容) | 12〇弧态力 |

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