

RZ Ecosystem Partner Solution

Forlinx RZ/G2L System On Module



Solution Summary

FET-G2LD-C SOM carries high-performance and ultra-efficient Renesas [RZ/G2L](#) processor embedded with a heterogeneous multi-core, Cortex-A55 at 1.2GHz, and integrates a MCU Cortex-M33 at 200MHz. FET-G2LD-C SOM has a GPU Mali-G31 500MHz and supports a variety of display I/Fs. It has rich functional I/F resources, like multi-channel UART, Ethernet, CAN-FD, etc.

Features/Benefits

- CPU: Renesas RZ/G2L
- Architecture: Cortex A55 x 2 + Cortex M33
- Frequency: 1.2GHz
- RAM: 1GB / 2GB DDR4
- ROM: 16MB QSPI NOR Flash, 8GB/16GB (Optional)
- Operating System: Linux4.19

Diagrams / Graphics



Target Markets and Applications

- Health Care
- Industrial Automation
- Power, Energy & Chemical
- Transportation, Communication & Security
- Smart City

<https://www.forlinx.net/product/rz-g2l-som-130.html>

Forlinx RZ/G2L SOM (FET-G2LD-C):

Super Long Life Cycle, Go Well Beyond Hardware

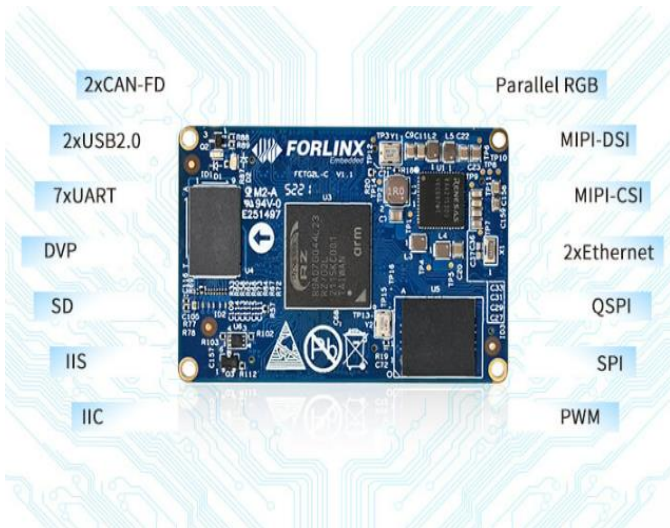
RZ/G2L has a 10-year+ life cycle guarantee, and its Linux kernel is the super long-term support (SLTS) Kernel maintained by CIP, escort the long life cycle of customer products.



Forlinx RZ/G2L Core Board:

Rich Interface Resources, Wider Application Scenarios

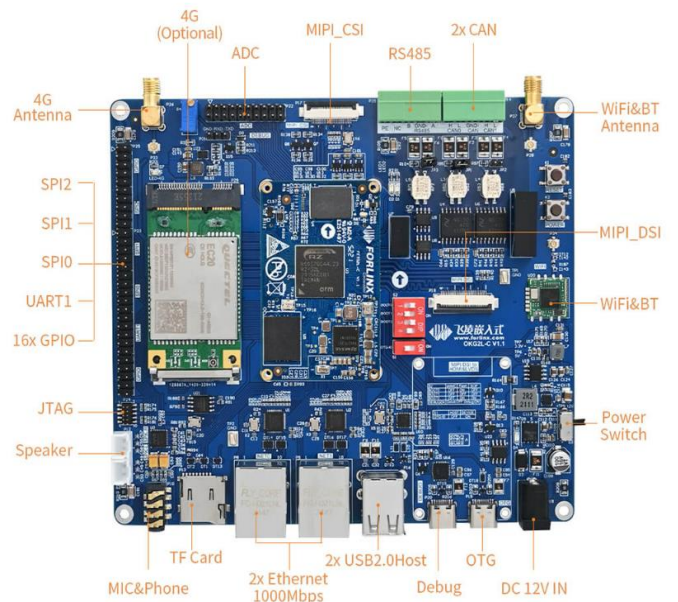
FET-G2LD-C SoM is very ease of use and versatility with rich peripheral interface resources, like 2 Gigabit Ethernet controllers, 2 CAN-FD, 2 USB 2.0, 7 UART, MIPI-DSI, Parallel RGB, MIPI-CSI, DVP, SD, IIS, IIC, SPI, QSPI, PWM, ADC, etc.



Forlinx RZ/G2L Carrier Board:

OK-G2LD-C SBC Interface

OK-G2LD-C SBC consists of FET-G2LD-C SoM and carrier board. It integrates rich functional interfaces and makes product evaluation easier.



Learn more:

<https://www.forlinx.net/product/rz-g2l-som-130.html>