

RZ Ecosystem Partner Solution

REGULUS RZ/V2L & RZ/G2L SMARC SOM



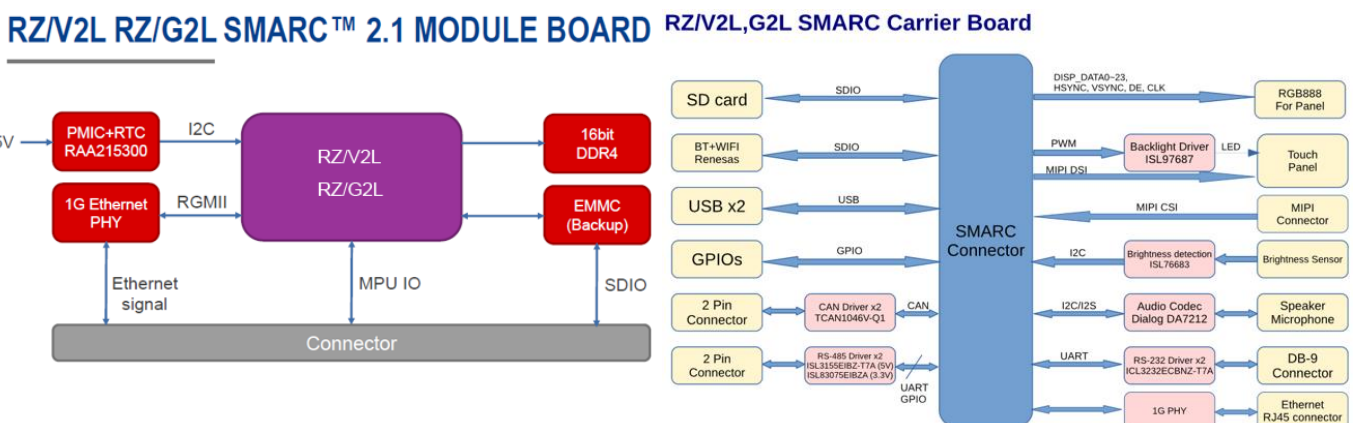
Solution Summary

Regulus [RZ/V2L](#) and [RZ/G2L](#) SMARC SOM evaluation kit with AI Accelerator is designed with the specification of SMARC v2.1 standard to provide a compact System On Module (SOM) solution based on Renesas high-performance [RZ/V2L](#) and [RZ/G2L](#) processors. The carrier board provides rich peripherals so it's easy to start your AI project with Renesas [DRP-AI](#) accelerator.

Features/Benefits

- 1.2 GHz Arm® Cortex®-A55 Dual / Single MPCore cores, 200-MHz Arm® Cortex®-M33 core, 500-MHz Arm® Mali™-G31 GPU
- DDR4 SDRAM: 2GB, QSPI flash memory: 512Mb, eMMC: 64GB
- Rich peripherals include MIPI-CSI, MIPI-DSI, G. Ethernet, USBs, CANs, UARTs, RS232, RS485, I2Cs, SPIs, GPIOs, PWMs, ADCs, SDIOs, BT5.1 compliant Bluetooth LE, 802.11n WIFI
- VLP package includes CIP Linux
- DRP-AI for accelerating AI processing with RZ/V2L



Diagrams/Graphics



Target Markets and Applications

- Industrial controls
- Smart home
- Home appliance
- Healthcare
- Smart buildings
- Consumer electronics
- Video IP phone
- Smart meter



Company Name	Regulus Technologies. Co., Ltd.
Headquarters	2F, No.242, Yang-Guang St., Nei-Hu, Taipei 114, Taiwan, R.O.C.
Date of Establishment	1990
Chairman	Mr. Gary Shih
Number of employees	48
Company Overview	<p>Regulus Technologies is a solution partner providing professional and customized services, instead of just a sales rep. or a distributor. We are professional and dedicated, growing with our customers. We provide the total solution of the following application:</p> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;">  <ul style="list-style-type: none"> • High Resolution Camera • Security Surveillance • Astronomical Instruments • Medical Instruments • Image Recognition </div> <div style="text-align: center;">  <ul style="list-style-type: none"> • Smart Camera Customized Application • Wireless Tracker • Smart Home </div> <div style="text-align: center;">  <ul style="list-style-type: none"> • AML System build up Service • Watch List Screening • Customer Due Diligence • Transaction Monitoring Services • Case Management Tool </div> </div>
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