SOMDEVICES

we are smarter solutions

RZ Ecosystem Partner Solution
SOMDEVICES µSMARC RZ/V2N

RENESAS RZ READY

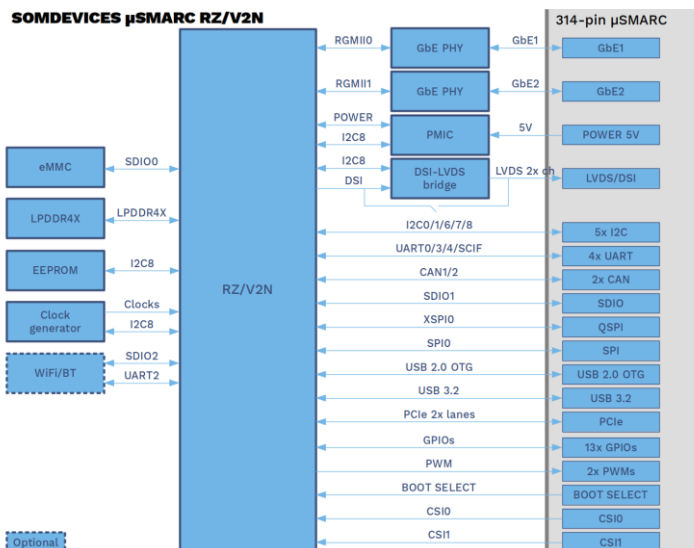## Solution Summary

SOMDEVICES µSMARC RZ/V2N is a new smaller mechanical concept form factor, and modular & sustainable solution which is scalable, flexible, reusable, maintainable, risk minimized. Sustainable AI is the art of making artificial intelligence smarter; energy-efficient, ethically sound, and environmentally responsible modules. Edge Computing uses powerful Renesas RZ/V2N MPUs for real-time AI processing to facilitate local data management. It is a balanced cost/performance solution that is fast to market, and its remarkable performance is optimized for a wide range of high-performance IoT and industrial applications.

Features/Benefits

- Small form factor: 82x30mm
- µSMARC is 100% compatible with SMARC 2.1
- Optimized for a broad spectrum of high-performance IoT and industrial applications, equipped with 2x Gigabit ethernet, Full HD@ 60 fps display output
- Supports Linux (Yocto, Ubuntu or Debian)
- Wide operating temperature range from -40ºC to 85ºC
- Optional services such as BSP, SDK and high-end software application development

Diagrams/Graphics

Target Markets and Applications

- Industrial
- AI vision
- Healthcare
- Object recognition
- AMR
- Parking system
- Smart cities
- Home appliance
- Barcode system

www.somdevices.com/µsmarc-rz-v2n

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SomDevices is specialized in developing embedded systems that deliver exceptional performance, adaptability, and energy efficiency. Our innovative solutions are built on ARM architecture and offer a diverse range of platforms, and System on Modules (SOMs), to meet various application needs.

Our mission is to accelerate the product journey with smart & intelligent solutions! From hardware design to embedded software development, our turnkey projects cut costs and time. Focused on energy-efficient designs and sustainable engineering we are developing greener solutions. We are your technological partner for **SUSTAINABLE ENGINEERING** in Barcelona. Let´s create a greener future.

Our purpose is to simplify development,

overcome deployment challenges,

deliver sustainable solutions that accelerate time-to-market and optimize costs: We practise

ethical and environmentally responsible business for you and our planet.

The perfect Match

SomDevices focused on customer-centric values and prioritizes their needs and satisfaction.

We are guided by our customer's experience, preferences, and opinions to drive business decisions, product offerings, and service standards. We go the extra mile to meet expectations.

The fast Journey

We embrace a sustainable philosophy of mix-and-match, offering product scalability and flexibility to deliver quick, efficient solutions that accelerate your time to market. Our customized turn-key solutions are designed for your success.

Innovation is Key

We believe that innovation drives success, creativity is the cornerstone. From groundbreaking ideas to smart transformations and AI; turn your vision into reality with SomDevices! 20 years of embedded Linux expertise are driving sustainable innovation. Experience on developing solutions based on Linux kernel and drivers, Devicetree, U-Boot, Yocto, Openembedded, Debian, Ubuntu, Fedora, Buildroot, LTIB, OpenWRT, C, C++, Python, PHP, Qt, QML, HTML5, Javascript, NodeJS, NodeRed.

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