mistywest

RZ Ecosystem Partner Solution
MistyWest RZ/G2L & RZ/V2L SOM

Solution Summary

Designed with low power industrial applications in mind, *MistySOM* enables efficient and flexible development of embedded systems using the RZ/G2L MPU, and the pin-compatible RZ/V2L MPU (with additional NPU). *MistyCarrier* board enables rapid development of industrial temp rated solutions using either version of *MistySOM*.

Features/Benefits

- Dual core Cortex-A55, single core Cortex-M33 CPU, Mali-G31 GPU
- RZ/V2L version includes DRP-AI NPU for power efficient edge AI vision solutions
- 16-128 GB eMMC storage (32GB Default)
- 1-2 GB DDR4 memory (2GB Default)
- Firmware support via a CIP kernel based Linux BSP
- -40 to +85 C industrial temperature rating
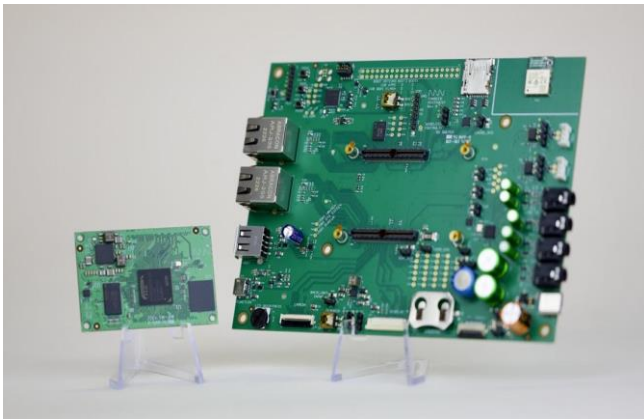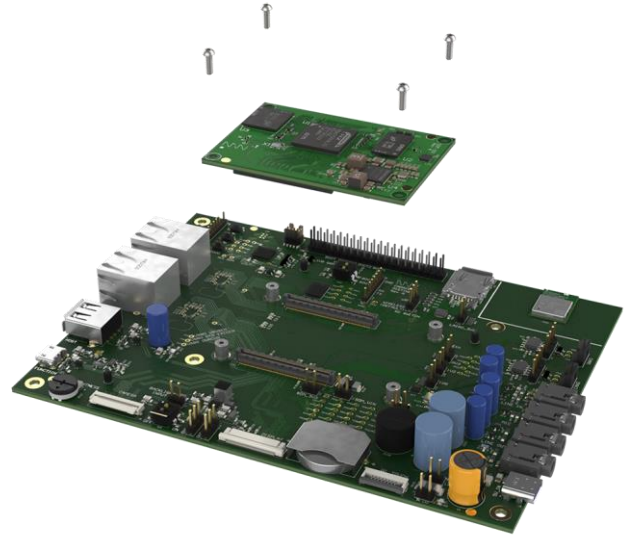- 63mm x 42mm form factor

Diagrams/Graphics

Target Markets and Applications

- Sports Cameras and Movement Tracking
- Retail and Logistics Automation
- Building Management / People Counting

- Smart Transportation / Traffic Monitoring
- Animal Tracking
- Smart Agriculture

- Portable Equipment
- Network Gateway or Hub
- Precision Time Synchronization

https://www.mistywest.com/mistysom

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MistySOM from MistyWest

MistySOM is built from the ground up to power efficient embedded systems ranging from human machine interface (HMI) solutions to battery powered object detection and identification.

MistyCarrier includes sense resistors for measuring system currents and jumpers to disable interfaces, an MCU allowing ultra-low power sleep state for the system, and an industrially rated super capacitor to support the RTC without a battery.

MistySOM-G2L

A general purpose SOM that's ideal for use in industrial and commercial computing applications where low power, reliability, and costs are critical.

MistySOM-V2L

Includes all the features of the G2L with the addition of an NPU, and is well suited for low power AI object detection, classification and localization.

Buying your SOMs from an experienced design services firm like MistyWest enables **fast and efficient support** as your product progresses from **prototyping to high volume chip-down design**.

Industry-best supply chain reliability from Renesas means MistySOM is available when you need it, even if another global chip shortage occurs.

Get In Touch

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