

RZ Ecosystem Partner Solution

Emtrion emSBC-RZ/N1D



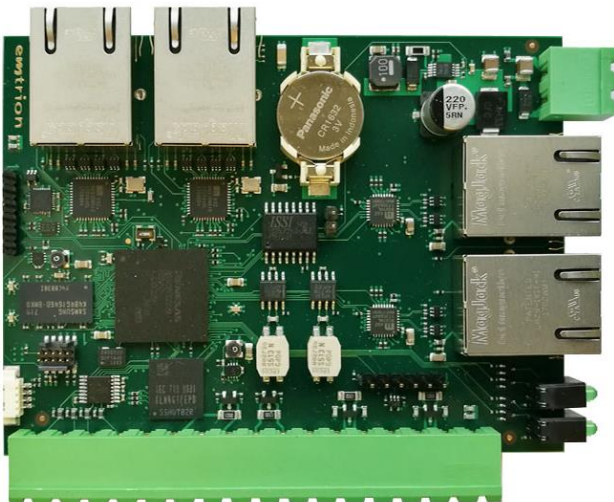
Solution Summary

The emSBC-RZ/N1D is a Single Board Computer embedded with [R9A06G032](#) (Dual Cortex-A7 and Cortex-M3) for your growing requirements in industrial communication. It offers a long-term availability of up to 15 years.

Features/Benefits

- Arm® Dual Cortex®- A7 @500MHz and Cortex®-M3 @125MHz
- 512/1024 MB SDRAM, 8 GB eMMC
- Renesas R-IN Engine for industrial Ethernet communication
- 4 x Ethernet, 2 x CAN, 2 x RS485
- PROFINET, EtherCAT, EtherNet/IP, CANopen optionally available
- Temperature range -25 to +85 °C
- Linux Yocto adaptable to own requirements
- Top hat rail housing available

Diagrams/Graphics



Target Markets and Applications

- Industrial Communication Gateway
- Industrial Control Units (IoT capable)
- Building Automation
- Virtualization, Security and Fastboot

Company Name	emtrion GmbH
Address	Am Hasenbiel 6, 76297 Stutensee, Germany
Business Description	Embedded software and hardware solutions from one supplier
Hardware Solutions	<ul style="list-style-type: none"> • Single-Board-Computer (SBC) • System-on-Module (SOM) • System-on-Chip (SOC) • Development Kits • Carrier Boards • Customized Hardware • Circuit Diagram Creation • Layout & Design Creation • Prototyping • Development of Customized Solutions • Cases
Software Solutions	<ul style="list-style-type: none"> • BSP- & Driver Development • Porting & Migration • User Interface Design • Code Optimization • Application Development • Virtualization • Safety & Security • Industrial Communication • Real Time Solutions • Firmware Updates • Recovery • emCVE-Watch • Service Level Agreement • Test Infrastructure (LAVA)
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