

## RZ Ecosystem Partner Solution

# Emtrion emSBC-RZ/N1D



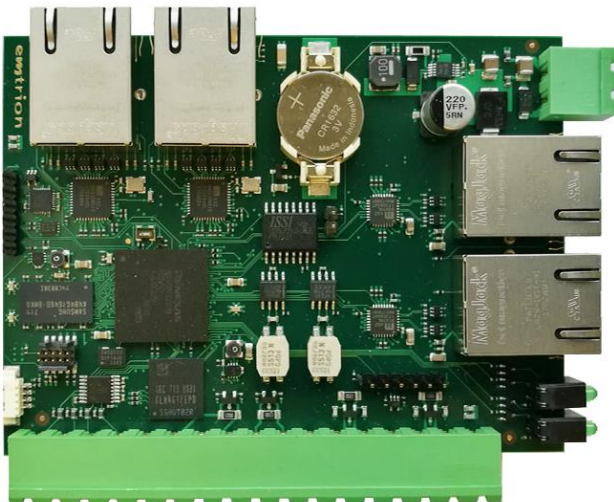
### Solution Summary

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

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