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

**Target Markets and Applications**

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

https://www.emtrion.de/en/home.html
<table>
<thead>
<tr>
<th>Company Name</th>
<th>emtrion GmbH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td>Am Hasenbiel 6, 76297 Stutensee, Germany</td>
</tr>
<tr>
<td>Business Description</td>
<td>Embedded software and hardware solutions from one supplier</td>
</tr>
</tbody>
</table>
| **Hardware Solutions**| • 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**| • 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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