

Separate Sheet

Product Specifications of the RZ/N Series of Microprocessors

| | RZ/N1D Group | RZ/N1S Group | RZ/N1L Group |
|-------------------------------------|---|--|--------------------------|
| Application CPU | Dual ARM® Cortex®-A7 @ up to 500 MHz | Single ARM Cortex-A7 @ up to 500 MHz | N/A |
| Communication CPU | ARM® Cortex®-M3 @ up to 125 MHz | | |
| R-IN Engine | R-IN Engine (HW-RTOS + HW Ethernet Accelerator) | | |
| DDR Interface | 16-bit DDR2 and DDR3 | N/A | |
| Integrated SRAM | 2 MB SRAM with ECC | 6 MB SRAM with ECC | |
| Industrial Real-Time Networks | PROFINET®, Ethernet POWERLINK®, EtherCAT®, EtherNet/IP™, Sercos® | | |
| Redundancy Protocols | (option) PRP, HSR | (option) PRP | N/A |
| Security | (option) Cryptographic engine | | N/A |
| Package | 400-pin BGA (17mm x 17mm) or 324-pin BGA (15mm x 15mm) | 324-pin BGA (15mm x 15mm) or 196-pin BGA (12mm x 12mm) | 196 BGA (12mm x 12mm) |

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