

Mona 1.12GG

High-end server
based on AMD EPYC™ 4th Gen CPU
with 12x 2.5" SFF Drives



No contractual

Isometric view



No contractual

Front view

Key Features



19-inch - 1U/12x 2.5"



Dual AMD EPYC™
4th Gen socket



24x DDR5 @ 4800MHz



2x PCIe 5.0 x16 HHL
1x PCIe 5.0 x16
2x OCP 3.0 x16



Air Cooling

AMD EPYC™ 4th generation

Introducing the AMD EPYC™ 9004 Series Processors family – a **powerful and versatile platform** designed to deliver exceptional performance, scalability, and security for the most demanding workloads.

With up to **128 high-performance cores** and **256 threads**, these processors are built to handle the most intensive data center workloads, from enterprise applications to HPC and AI workloads.

The **energy efficiency** of the EPYC platform also allows you to reduce your carbon footprint and significantly improve your total cost of ownership.

Cloud and Enterprise Made Flexible

The latest 4th Gen AMD EPYC™ processors are built upon years of expertise for your HPC, Cloud or AI needs. "Zen 4" enables bandwidth and memory capacity, as well as latest-generation I/O featuring PCIe® 5.0 and memory expansion with CXL™ 6,7.

Mona servers designed for modularity

Our Mona servers are designed and built for diversity in applications. With up to **12 drives** and **24 DDR5 channels**, VDI, Hypervisor or Cloud workloads can be successfully handled.

In need of expansions? GPU? Additional network? RAID card? Mona servers can **manage up to 5 PCI extensions 5.0**, including 2 OCP 3.0.



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ABOUT THIS PRODUCT

SPECIFICATIONS



| | | |
|------------------------------|---|--|
| System | Model | BRB-MA1-112GG-R010 |
| | Form factor | 1U |
| | Nodes | 1 |
| | Dimension | 482mm (W) x 850mm (D) x 43mm (H) 19" (W) x 33.4" (D) x 1.7" (H) |
| | Cooling Technology | Air Cooling |
| Storage | External type | 12x hot-swappable 2.5" SATA/SAS*/NVMe *SAS : Depends on SAS Add-on card |
| | RAID Controller | RAID : 1 mezz RAID card or PCH |
| Motherboard | CPU | 2x Socket SP5 (LGA 6096) - AMD EPYC 9004 processors Single or Dual processor, CPU TDP up to 400W* *225W with standard heatsink - EVAC heatsink required for higher TDP |
| | Expansion slots | 2x PCIe HHHH x16 Gen5 1x PCIe FHHL x 16 Gen5 2x OCP 3.0 Gen5 |
| | BMC | Integrated Aspeed® AST2600 |
| | TPM | Integrated 2.0 |
| Memory | Total slots | 24 (12-channel per CPU) |
| | Capacity | Maximum up to 3TB per Node (Using RDIMM 3DS 128GB) |
| | Memory type | DDR5 4800 RDIMM up to 128GB DDR5 4800 LR-DIMM 3DS up to 128GB |
| Network | 1x 1GbE Management Port dedicated to the IPMI | |
| I/O | Front | Healthy LED, UID 1x Power button with LED |
| | Rear | 1x VGA 1x RJ45 for MGMT 1x BMC/System Serial Port 2x USB 3.0 1x UART 1x UID/BMC RST Button and LED |
| Management Solution | Software | ASPEED AST2600 |
| | Out of band remote management | WebGUI, Intelligent Platform Management Interface (IPMI) |
| Power Supply | Type | 1+1 Redundant CRPS |
| | Power rating | 1300W |
| | Power Efficiency | 80 PLUS Titanium (96%) |
| Operating Environment | Operating Temperature | 10°C to 35°C |
| | Non-operating Temperature | Storage (packed): -40°C to +70°C |
| | Operating Relative Humidity | 8% to 90% RH |
| | Non-operating Relative Humidity: | 5% to 95% RH |
| Warranty | 2CRSi hardware warranty includes a one year, parts and labour with return to 2CRSi selling entity. Customers may purchase an extended warranty of up to 3 years on parts and labour with different support levels. Please contact 2CRSi at support@2crsi.com or reach your sales point of contact for complete warranty details including limitations and transferability. 2crsi.com/global-location | |