Mona 1.44GG

2crsi

High-end server
based on AMD EPYC™ 4th Gen CPU
with 4x 2.5" SFF & 4x 3.5 LFF Drives

No contractual   **Isometric view**

No contractual   **Front view**

Key Features

**19-inch - 1U
4x 3.5" & 4x 2.5"**

AMD EPYC **Dual AMD EPYC™ 4th Gen socket**

24x DDR5 @ 4800MHz

**2x PCIe 5.0 x16 HHHL
1x PCIe 5.0 x16 FHHL
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™.

Mona servers designed for modularity

Our Mona servers are designed and built for **diversity in applications**. With up to **8 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

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SPECIFICIATIONS

System	Model	BRB-MA1-144GG-R010
	Form factor	1U
	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	4x 3.5" (SAS*/SATA) + 4 x 2.5" (SATA/SAS*/NVMe**) *SAS : Depends on SAS Add-on card / **NVME : NVMe cable kit required
	RAID Controler	RAID: 1 mezz RAID card or
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	1x PCIe FHHL x16 Gen5 2x PCIe HHHL x16 Gen5 2x OCP 3.0 x16 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 1x VGA 1x USB 3.0
	Rear	1x VGA 1x RJ45 for Mgmt 1x BMC/System Serial Port 2x USB 3.0 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 Environement	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

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SKU based on options

This product is available with different options.
This table provides valuable information about the features and capabilities associated with each SKU (stock keeping unit), enabling potential customers and internal stakeholders to make informed decisions. Each SKU has been carefully classified according to the options available, providing a clear picture of the functionality associated with each variant.

SKU	NVMe support	Spec
BRB-MA1-144GG-R010	No	4x 2.5' 7mm SATA/SAS* 4x 3.5' SATA/SAS* *SAS controller required
BRB-MA1-144GG-R011	Yes	4x 2.5' 7mm NVMe/SATA/SAS* 4x 3.5' NVMe/SATA/SAS* *SAS controller required

BRB-MA1-144GG-R0XX Diagram

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