eterio 227 RZ3

New Generation, High Performance 2U Server

Form Factor / **2U**   CPU Number / **2**   Memory Number / **24**

FEATURE

- AMD EPYC 9004 Series Processors with AMD 3D V-Cache™ technology

- PCIe 5.0 Ready

- GPU and FPGA Support

- Enhanced Security

Target market

- Hot Data Cache Server
- Cloud Solution Provider
- Enterprise Storage
- Virtualized Storage

4th Gen AMD EPYC™ processors with AMD 3D V-Cache™ technology

AMD was first with X86 multi-chip-module server CPUs and continues to innovate with the 4th Gen AMD EPYC™ processors with AMD 3D V-Cache™ technology.

PCIe 5.0 Ready

PCI Express® (PCIe®) 5.0 delivers 16 GT/s bandwidth, which is double the speed of PCIe 4.0, offering lower power consumption, better lane scalability and backwards compatibility.

GPU and FPGA Support

Up to 3 dual-slot GPU such as NVIDIA A100 in one 2U system and optimized acceleration for workloads across cloud, data center and for hybrid cloud environment

Cooling Solutions

Enhanced Volume Air Cooling (EVAC) Heatsink for Versatile Workload and dedicated GPU fan to support GPU SKU.

Enhanced Security

PFR FPGA as the platform Root-of-Trust solution for firmware resiliency Trusted Platform Module 2.0 (TPM 2.0) to secure hardware through integrated cryptographic keys and offer regular firmware update for vulnerabilities.

1. Asset Tag
2. 24 x DIMM, DDR5-4800/4400, RDIMM, LRDIMM, LRDIMM 3DS
3. AMD EPYC™ 9004 Series
4. Dual M.2 (Up to 2280)
5. 6 x PCIe Gen5 x8
   1 x PCIe Gen5 x16
   1 x PCIe Gen5 x16 (LPHL)
6. 1+1 Redundant 2600W 80 PLUS Titanium Power Supply
7. 12 x 3.5" Hot-swap HDD Bays
8. 4 x Easy-maintained fans

Processor Support.			2 x Socket SP5 (LGA 6096) AMD EPYC™ 9004 Series Processors (up to 400W) xGMI (External Global Memory Interface Link)
Core Logic			(INTEGRATED I/O – NO CHIPSET)
Memory	Total Slots		24 (12 channel per CPU, 1 DIMM per CPU)
	Capacity		Maximum 6144GB
	Memory Type		DDR5 4800/4400 RDIMM/ 3DS RDIMM
	Memory Size		128GB, 64GB, 32GB RDIMM 128GB, 64GB, 32GB 3DS RDIMM RAS features: Mbist aggressor, Mbist Per Bit Slave Die Report, DRAM tempreture control, Memory Bus frequency limit, Power Down enable/disable, Uncorrectable ECC retry, Bank Group Swap, Odts Cmd Throt Enable, Odts Cmd Throt Cycle
Expansion Slots	Total PCI/PCI-X/PCI-E/PIKE Slots Slot Type		PCIe slots 6 x PCIe Gen5 x8 1 x PCIe Gen5 x16 1 x PCIe Gen5 x16 (LPHL)
Disk Controller	SATA \ SAS Controller		Broadcom RAID controller 0,1,10 8 x SATA 6Gb/s ports / SAS 12 Gb/s 2 x M.2 connectors
Storage Bays			**Front Bays:** 12 x 3.5" Hot-Swap Drive Bays Support up to 8 x NVMe/SATA/SAS + 4 x SATA/SAS (optional) **Rear Bays:** 2 x 2.5" hot swap drive bays (Optional) 2 x M.2 NVMe (Up to 2280 from CPU1)
Networking	LAN		1 x Quad Port Intel 1G LAN Controller 1 x Dual Port Broadcom 10Gb SFP+ 1 x Management Port Wireless Management (optional)
Graphic	VGA		Aspeed AST2600 64MB
Auxiliary storage Device Bay			1 x External ODD (optional)
Front I/O Ports			2 x USB 3.2 Gen1 universal ports (VGA/DisplayPort/ Management Port)
Rear I/O Ports			2 x USB 3.2 Gen1 universal port 2 x USB C 3.1 Gen 2 Type 1x VGA port 1x RJ-45 port 2x 10 Gbit Ethernet SFP+ 4x 1 Gbit Ethernet Cooper
Switch/LED			Front Switch/LED: 1 x Power Switch (w/ LED),1 x Reset Switch,1 x Location Switch (w/ LED) 1 x HDD Access LED,1 x Message LED, LAN 1-4 LED (on NIC module) Panel LCD (optional) Rear Switch/LED: 1 x Port 80 LED (Q-Code),1 x Power Switch (w/ LED),1 x Location LED (w/ LED) 1 x Message LED

OS Support		Microsoft Windows 2016, Microsoft Windows 2019
		Canonical Ubuntu Server
		Red Hat Enterprise Linux
		SUSE Linux Enterprise Server
		VMware ESX
Management Solution Security Features	**Software**	eterio Control Center
	Remote management Controller	eterio ASMB11-iKVM for KVM-over-IP
		Trusted Platform Module 2.0
		Chassis intrusion detector
Dimension		840mm x 449mm x 88.1mm (2U)
		(33.07" x 17.68" x 3.47")
Net Weight Kg (CPU, DRAM & HDD not included)		19.3 kg
Gross Weight Kg (CPU, DRAM & HDD not included, Packing include)		25.77kg
Power Supply (following different configuration by region)		1+1 Redundant 2600W 80 PLUS Titanium Power Supply
Environment		Operation temperature: 10℃ ~ 35℃
		Non operation temperature: -40℃ ~ 60℃
		Non operation humidity: 20% ~ 90% (Non condensing)