HA2026-HC High Availability Storage Server

3.2PB Shared E2E NVMe auf 2HE schrumpft das DC unter den Tisch



Features

- 2U 2-Node high-availability storage server support 26 hot swap PCIe Gen5 U.2 dual port drives
- Fully redundant, fault-tolerant system supporting hot swappable compute nodes and storage drives
- Two compute nodes, Active-Active configuration, each supporting AMD EPYC™ 9000 SP5 processor
- Supports DDR5 & PCIe Gen5
- Dual 100GbE link between nodes for communication and fail-over

Front View

26 x hot swap PCIe Gen5 U.2 dual port drives



Rear View

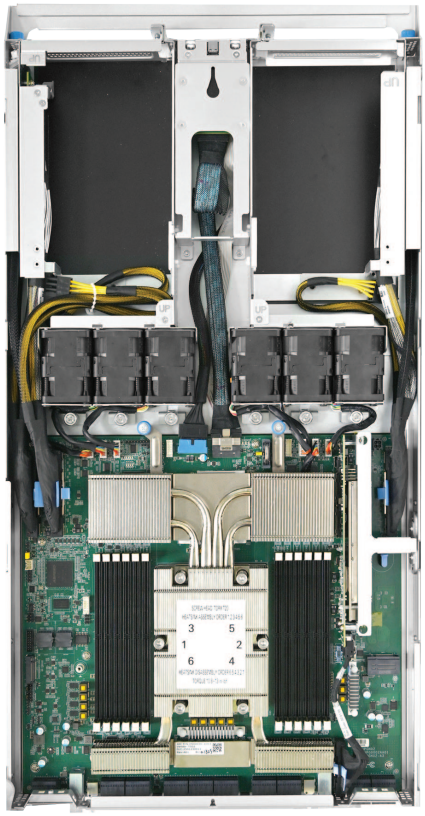


Specifications

Dimensions (W x D x H)	mm : 438 x 750 x 88	
	inches : 17.2 x 29.5 x 3.5	
Motherboard (per node)	AIC Server Board Hercules	
Processor (per node)	Processor Support	• AMD EPYC™ 9000 series processor - Genoa/Turin • Supports CPU TDP 400W **Please contact AIC Technical Support for more info/details about optimized CPUs and specialized system.*
	Socket Type	SP5
System Memory (per node)	• 12 x memory channels per CPU, 1 x DIMM per channel • 12 x DIMM slots support: DDR5 4800 MT/s(1DPC) by Genoa; DDR5 6000 MT/s(1DPC) by Turin	
Front Panel	• Power button • System ID LED • Power status LED • System alert LED • 1 x USB3.2 Gen1x1 (per node)	
LEDs	Front panel	• Power status LED • System alert LED • System ID LED
	Back panel	4 x Bi-color LED, red and green
Drive Bays	External	26 x PCIe Gen5 dual port NVMe
	Internal	M-Key 2280 (PCIe Gen3 x1)
Backplane	1 x 26-bay NVMe PCIe Gen5	
Expansion Slots (per node)	PCIe 5.0	3 × PCIe Gen5 x16 (FHHL) via Cable CEM

Node Interconnect Module (Option)	Dual-Port 100GbE Module (BCM57508)	
BBU (Option)	2 x BBU, BBU nominal capacity 56.84 Wh per unit	
System BIOS	BIOS Type	AMI UEFI BIOS
	BIOS Features	• ACPI • PXE • AC loss recovery • IPMI KCS interface • SMBIOS • Serial console redirection • SRIOV • TPM • PCIe hotplug
On-board Devices	BMC	Aspeed AST2600 Advanced PCIe Graphics & Remote Management Processor • Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN • HTML5 • Redfish
	Network Controllers	• Realtek RTL8211FS for BMC dedicated management port • Broadcom 57416 for dual port 10G • Broadcom CM57508 for node to node dual port communication
	Graphics	Aspeed AST2600 Advanced PCIe Graphics & Remote Management Processor • PCIe Graphic/2D Controller • 1920x1200@60Hz 32bpp

Top View



(Power supply and Server board are included.)

Rear I/O (per node)	LAN	• 2 x 10GbE RJ45 • 1 x 1GbE RJ45 for BMC management port
	USB	2 x USB3.2 Gen1x1
	VGA	1 x external DB-15
	Serial Port	1 x USB Type-C for UART console
	Others	• 1 x system ID button • 1 x user define button
Power Supply	3200W 1+1 CRPS redundant power supply 80+ Titanium	
System Cooling	• 6 x 4056 PWM fans (per node) • 2 x 4028 PWM fans	

System Management	• IPMI 2.0 • KVM over IP • Media redirection • Temperature, fan, voltage, PSU sensor monitor • System temperature • System ID / System fail indicator • Remote power on/off/reset • SEL message alarm through mail • SNMP support	
Environmental Specifications	• Storage temperature: -10ºC(14ºF) ~ 60ºC(140ºF) • Operating temperature: 0ºC(32ºF) ~ 35ºC(95ºF) • Storage operating humidity: 5%~95% non-condensing	
Packaging Dimensions	(W x D x H)	mm : 605 x 1060 x 294
		inches : 23.8 x 41.7 x 11.6
Mounting	Standard	36" tool-less rail

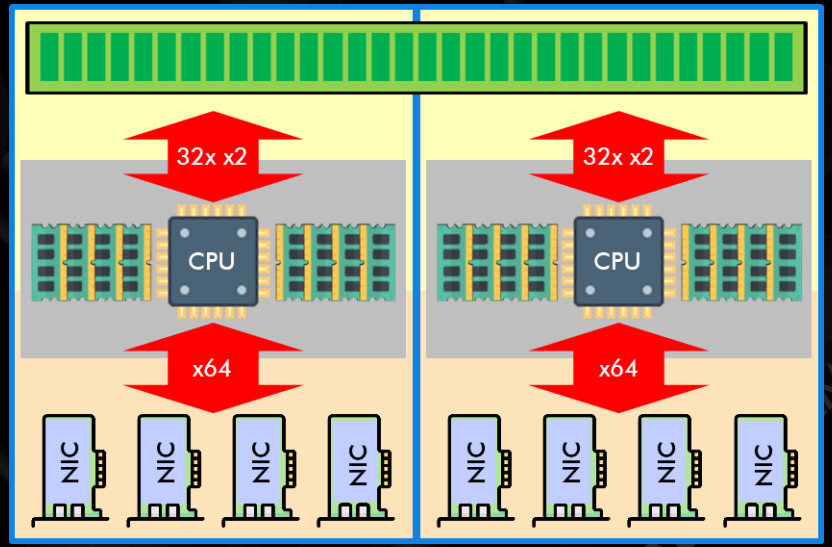
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Balanced Dual Node – shared 26x U.2 oder 32x E3.S/L NVMe

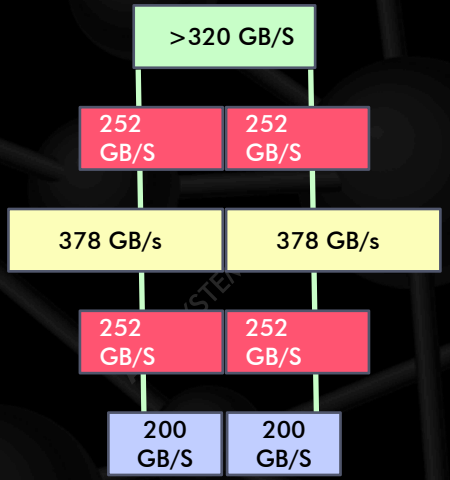
Dual Node E2E NVMe AMD Server



Components

- 32x NVMe PCIe 5.0
- 64x Slots x2 x128
- 24x Channel R & W
- 8x Slots x16 x128
- 8x 2x 200GbE

Nominal Bandwidth



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