HA202-PH



Features :

- 24 hot swap bays for dual-port NVMe SSDs (U.2)
- High-availability storage server optimized for mission-critical, enterprise-level storage applications
- Fully redundant, fault-tolerant system supporting hot swappable controller nodes and storage drives
- Two compute nodes, Active-Active configuration, each supporting two Intel® Xeon® Processors E5-2600 v3 and next generation Product Family
- 2 PCIe x16 slots per node provide direct links to CPU
- Reserves 10 GbE, PCIe NTB or SAS link between nodes for communication and fail-over
- Includes IPMI 2.0 & iKVM

SPECIFICATIONS

Dimensions (W x D x H) (with chassis ears)	mm : 482.6 x 815 x 88		
	inches : 19 x 32 x 3.5		
Motherboard (per node)	AIC Server Board Phoenix		
Processor (per node)	Processor Support	Two Intel® Xeon® Processors E5-2600 v3 and next generation Product Family	
	QPI Speeds	9.6 GT/s, 8 GT/s, 7.2 GT/s	
	Socket Type	Socket R3 (FCLGA2011-3)	
Chipset Support (per node)	Intel® C612 Chipset		
System Memory (per node)	• 12 DIMM slots across 8 memory channels (4 memory channels per CPU; 2 channels with 2DPC and 2 channels with 1DPC) - 384GB DDR4 2133/1866 RDIMM DRx4 - 96GB DDR4 2133/1866 RDIMM SRx4 - 768GB DDR4 2133/1866 LRDIMM QRx4 - 1536GB DDR4 2133/1866 LRDIMM 3DS 8Rx4		
Front Panel	Power on/off		
LEDs	A : • Power (Secondary) • Warning	B : • Power (Primary) • Warning	
Drive Bays	External	2.5" hot swap	24
	Internal	2.5"	2 (per node)
Backplane	1 x 24-port NVMe backplane with dual loop		
Expansion Slots (per node)	PCIe 3.0	2 x16 (direct links to CPU)	
Riser Card (included) (per node)	PSG-RC-HA2U-24-101	2 PCIe x16	

Expander Board (per node)	1 x 24-port (48 lanes PCI Express) NVMe expander board	
System BIOS	BIOS Type	• Insyde UEFI BIOS • SPI (Serial Peripheral Interface) FLASH Interface
	BIOS Features	• ACPI • PXE • WOL • AC loss recovery • IPMI 2.0 KCS interface • SMBIOS • Serial console redirection • BIOS Boot Specification • BIOS Recovery Mode • SRIOV • PCIe Hotplug • iSCSI • TPM
On-board Devices	SATA	Built-in SATA RAID controller on Intel® C612 Chipset with software RAID support 6x 7pin SATA connectors
	IPMI	Aspeed AST2400 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 • SMASH Support
	Network Controllers	• Intel® 82599ES 10 GbE Controller, dual port, SFP+, PCIe v2.0 (5.0GT/s) • Intel® Ethernet Controller I210-AT, single port GbE controller, PCIe v2.1, 2.5 GT/s, x1 • Intel® Ethernet Network Connection I217-LM, single port GbE, 1 Gbps
	Graphics	Aspeed AST2400 Advanced PCIe Graphics & Remote Management Processor • PCIe VGA/2D Controller • 1920x1200@60Hz 32bpp

PLATFORM SOLUTIONS GROUP

• TOP VIEW •

AC 1200W 1+1 redundant high-efficiency power supply 80+



2 x 6056mm fan modules (per node)

** Power supply and Server board are included.*

• REAR VIEW •

2 x PCIe 3.0 slots (per node)



2 x 10 GbE SFP+ (per node)

• FRONT VIEW •

24 x 2.5” hot swap drive bays



Rear I/O (per node)	LAN	2 x 10 GbE SFP+ 2 x RJ45
	USB	2 x USB 3.0 Type A
	VGA	1 x DB-15
	Serial Port	1 x DB-9
Power Supply	AC 1200W 1+1 redundant high-efficiency power supply 80+ • 90-264VAC, 47-63 Hz	
System Cooling (per node)	2 x 60x56mm fan modules	
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 • Intel NM	

Environmental Specifications	• Operating temperature : 0° - 35°C • Operating altitude condition : 0 ~ 10K feet • Storage temperature : -20° ~ 60°C • System relative humidity : 5% - 95% (38°C) non-condensing	
Gross Weight	(w/ PSU & Rail)	kgs : 41
		lbs : 90
Packaging Dimensions	(W x D x H)	mm : 590 x 1150 x 330
		inches : 23.2 x 45.3 x 13
Mounting	Standard	28" tool-less slide rail

Remark: All specifications and photos are subject to change without notice.

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