

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/v4 product family
- 2 PCIe x16 slots per node provide direct links to CPU
- Reserves 10GbE, PCIe NTB or SAS link between nodes for communication and fail-over
- Includes IPMI 2.0 & iKVM

SPECIFICATIONS

Dimensions (W x D x H)	mm : 435 x 850 x 88		
	inches : 17.1 x 33.4 x 3.5		
Motherboard (per node)	AIC Server Board Phoenix		
Processor (per node)	Processor Support	<ul style="list-style-type: none"> • Two Intel® Xeon® Processors E5-2600 v3/v4 product family • Supports CPU TDP up to 120W 	
	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)	<ul style="list-style-type: none"> • 4 x memory channels per CPU socket, 2 x channels with 2DPC + 2 x channels with 1DPC • 12 x DIMM slots support: <ul style="list-style-type: none"> - Up to 96GB RDIMM SRx4 - Up to 384GB RDIMM DRx4 - Up to 768GB LRDIMM QRx4 - Up to 1536GB LRDIMM 3DS 8Rx4 • Supports NVDIMM feature 		
Front Panel	System power on/off		
LEDs	A :	B :	
	<ul style="list-style-type: none"> • Power (Secondary) • Warning 	<ul style="list-style-type: none"> • 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 slots (FH)	

Expander Board (per node)	1 x 24-port (48 lanes PCI Express) NVMe expander board		
Riser Card (included) (per node)	RC-PE2U05-TY	2 x16 PCIe slots	
System BIOS	BIOS Type	<ul style="list-style-type: none"> • Insyde UEFI BIOS • SPI (Serial Peripheral Interface) FLASH Interface 	
	BIOS Features	<ul style="list-style-type: none"> • ACPI • PXE • WOL • AC loss recovery • IPMI KCS interface • SMBIOS • Serial console redirection 	<ul style="list-style-type: none"> • BIOS Boot Specification • BIOS Recovery Mode • SRIOV • PCIe Hotplug • iSCSI • TPM • PCIe NTB
On-board Devices	SATA	Built-in SATA RAID controller on Intel® C612 Chipset with software RAID support 6x 7pin SATA connectors	
	IPMI	<ul style="list-style-type: none"> • 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 	
	Network Controllers	<ul style="list-style-type: none"> • Intel® 82599ES 10GbE 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	<ul style="list-style-type: none"> • Aspeed AST2400 Advanced PCIe Graphics & Remote Management Processor • PCIe VGA/2D Controller • 1920x1200@60Hz 32bpp 		

TOP VIEW

1300W 1+1 redundant power supply
80+ Platinum



REAR VIEW

2 x PCIe 3.0 slots (per node)



2 x 10GbE SFP+ (per node)

FRONT VIEW

24 x 2.5" hot swap drive bays



2 x 60x56mm
easy swap fans
(per node)

Power supply and Server board are included.

Rear I/O (per node)	LAN	<ul style="list-style-type: none"> • 2 x 10GbE SFP+ • 2 x RJ45
	USB	2 x USB 3.0 Type A
	VGA	1 x external DB-15 VGA port
	Serial Port	1 x external DB-9 COM port
Power Supply	1300W 1+1 redundant power supply 80+ Platinum • AC INPUT : 100-120V,50/60Hz,12A • DC OUTPUT : 900W • AC INPUT : 200-240V,50/60Hz,8A • DC OUTPUT : 1300W 1200W 1+1 redundant power supply (BTO) • 110-240V 47-63Hz 15-7.5A	
System Cooling (per node)	2 x 60x56mm easy swap fans	
System Management	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Operating temperature : 0° - 35°C • System relative humidity : 5% - 95% non-condensing 	
Gross Weight	(w/ PSU & Rail)	kgs : 41
		lbs : 90
Packaging Dimensions	(W x D x H)	mm : 590 x 1190 x 333
		inches : 23.2 x 46.9 x 13.1
Mounting	Standard	28" tool-less slide rail