



Features

- 1U all-flash server solution
- 12 x 2.5" front hot-swappable NVMe bays
- Supports dual 4th Gen Intel® Xeon® Scalable Processors (codename: Sapphire Rapids)
- 32x DDR5 RDIMM and 4x PCIe Gen5 extensions

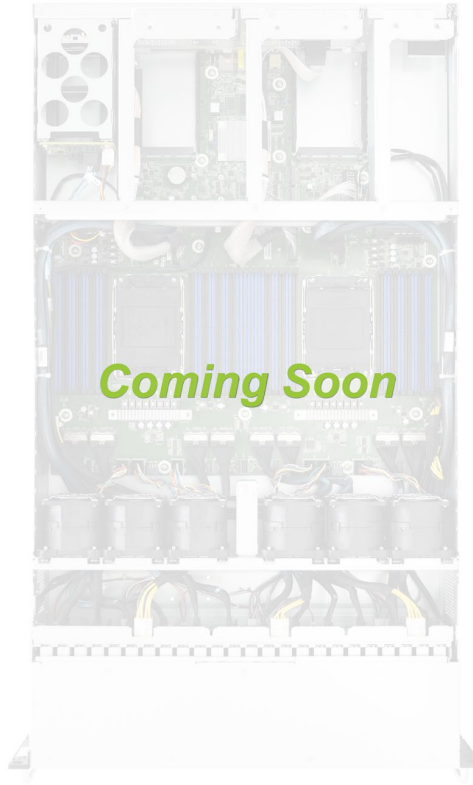
Specifications

Dimensions (W x D x H)	mm : 438 x 800 x 43.75		
	inches : 17.2 x 33.5 x 1.75		
Motherboard	AIC Server Board HK		
Processor	Processor Support	<ul style="list-style-type: none"> • Intel® Next Gen Sapphire Rapids – SP/Emerald Rapids-SP Family Processors • Supports CPU TDP 225W/350W *Please contact AIC Technical Support for more info/details about optimized CPUs and specialized system. 	
	CPU Interconnection	12.8, 14.4, and 16GT/s	
	Socket Type	E2: 4677 pins	
Chipset Support	Intel® Emmitsburg PCH		
System Memory	<ul style="list-style-type: none"> • 8 x DDR5 memory channels per CPU • 32 x DIMM slots (2 DPC), 4800/5600 MTs 		
Front Panel	<ul style="list-style-type: none"> • 1 x System power on/off button/LED • 1 x System reset button • 1 x System ID button/LED • 1 x System alert (BMC) • 1 x USB 3.0 		
Drive Bays	External	2.5" hot swap	12
Backplane	12 x NVMe PCIe Gen 5		
Expansion Slots	PCIe 5.0	• 2 x PCIe X16 slots (HHHL)	
		• 2 x OCP 3.0 bays (PCIe X16 width)	

Riser Card	PCIe 5.0 X16 flex cable		
System BIOS	BIOS Type	AMI UEFI BIOS	
	BIOS Features	<ul style="list-style-type: none"> • ACPI • PXE • WOL • AC loss recovery • BIOS recovery • IPMI 2.0 KCS mode interface 	<ul style="list-style-type: none"> • SRIOV • SMBIOS • TPM • Serial console redirection • PCIe hot plug
On-board Devices	SATA	Intel® Emmitsburg PCH on-chip solution • 10 x SATA 6.0 Gb/s (by 2x 8643) + • 2 x M.2 • 2 x SATA 6.0 Gb/s (by 2x SATA 7P)	
	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 • SMASH Support	
	Network Controllers	<ul style="list-style-type: none"> • Realtek RTL8211EL for BMC dedicated management port • Intel i210 GbE NIC for shared management port 	
	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.)

SB102-HK

Rear I/O	LAN	1 x GbE RJ45 shared BMC management
	USB	2 x USB 3.0 Type A
	Video Output	1 x mini-display port connector
Power Supply	<ul style="list-style-type: none"> • 1200W 1+1 CRPS RPSU 80+ Platinum (~225W processors) • 1600W 1+1 CRPS RPSU 80+ Platinum (~350W processors) by CPU/NVMe supporting wattage SKU options	
System Cooling	8 x 40x56mm easy swap fans ABS material plastic air-duct (clear)	

Environmental Specifications	<ul style="list-style-type: none"> • Storage temperature : -10°C(14°F) ~ 60°C(140°F) • Operating temperature : 0°C(32°F) ~ 35°C(95°F) • Storage operating humidity : 5%~95% non-condensing 	
Gross Weight	(w/ PSU & Rail)	kgs : 20
		lbs : 44
Packaging Dimensions	(W x D x H)	mm : 595 x 1115 x 239
		inches : 23.4 x 43.9 x 9.4
Mounting	Standard	28" tool-less slide rail