

Preliminary



Front View

24 x 2.5" hot swap drive bays



Features

- 2U general purpose storage server supports 24 hot swap 2.5" universal NVMe U.2 drive bays
- Supports 3rd Gen. Intel® Xeon® Scalable processors (codename Ice Lake)
- Onboard Baseboard Management Controller for system management and IPMI control
- Front-to-back airflow and hot swap redundant fans to provide optimal thermal conditions
- Dedicated BMC management port

Rear View

1 x GbE RJ45



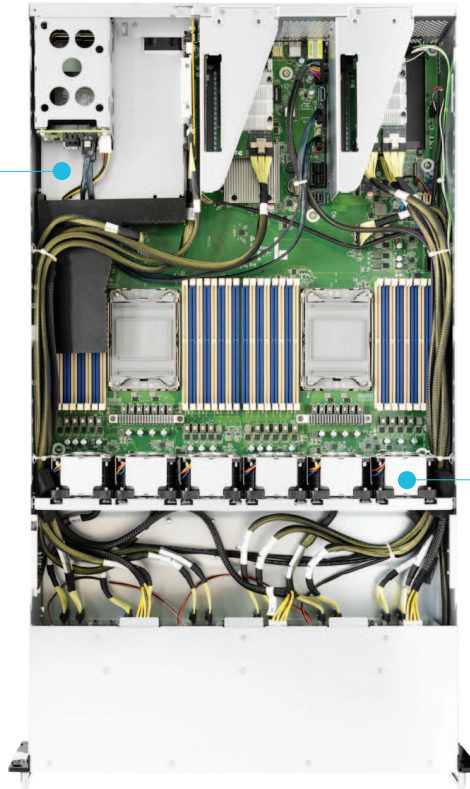
Specifications

Dimensions (W x D x H)	mm : 438 x 800 x 88		
	inches : 17.2 x 31.4 x 3.1		
Motherboard	AIC Server Board		
Processor	Processor Support	3rd Gen Intel® Xeon® Scalable Processors (Ice Lake) <i>*Please contact AIC Technical Support for more info/details about optimized CPUs and specialized system.</i>	
	UPI Speeds	11.2GT/s	
	Socket Type	1+1 Socket P+ (LGA-4189)	
Chipset Support	Intel® C621A		
System Memory	32 x DDR4 3200Mhz • Total 16+16 DIMM slots (2DPC) • Up to 12TB 3DS ECC RDIMM/LRDIMM • Intel® Optane™ Persistent Memory 200 Series support		
Front Panel	• System power on/off • System reset • System ID		
LEDs	Power LED, ID LED, Fail LED: • Power (Secondary) • Warning B: • Power (Primary) • Warning		
Drive Bays	External	2.5" hot swap	24 (Gen4 NVMe, 2.5" SAS/SATA) <i>**Please contact AIC for front 2.5" SAS/SATA device supporting request.</i>
		2.5"	2 (rear)
	Internal	M.2	1 x M.2(NGFF)/M-Key/2280 (SATA/PCIe)
Backplane	3 x 8-port SATA/SAS/NVMe with 2 x SFF-8643+ 2 x SFF-8654 (Slimline 8i) connectors on each backplane		
Expansion Slots	PCIe 4.0	• 1 x16 FHHL • 1 x16 OCP 3.0	

Riser Card (included)	2U2S_RB24_G4 x2	1 x16 + 1 x8 PCIe slots
System BIOS	BIOS Type	AMI UEFI BIOS
	BIOS Features	• ACPI • PXE • AC loss recovery • IPMI KCS interface • SMBIOS • Serial console redirection • BIOS Boot Specification • BIOS Recovery Mode
On-board Devices	SATA	Intel® Lewisburg PCH on-chip solution • 14 x SATA 6.0 Gb/s (3 Mini-SAS HD, SATA DOM, SATA DOM or M.2) • RAID 0, 1, 5, 10 support by Intel RSTe
	IPMI	Aspeed AST2500 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 • HTML5 • Redfish
	Network Controllers	Networking options provided via OCP Mezzanine extension
	Graphics	Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor • PCIe VGA/2D Controller • 1920x1200@60Hz 32bpp

Top View

1600W 1+1 redundant power supply 80+ Platinum



6 x 60x38mm easy swap fans

(Power supply and Server board are included.)

Rear I/O	USB	2 x USB 3.0 Type A in double-stack connector
	Serial Port	1 x DB9
Power Supply	1600W 1+1 redundant power supply 80+ Platinum • AC Input : 100~240V,50/60Hz,7-3.5A	
System Cooling	6 x 60x38mm easy swap fans	
System Management	• IPMI : Aspeed AST2500 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	

Environmental Specifications	• 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

SB201-A6