

SB101-A6



Features

- 1U general purpose storage server supports 4 hot swap 3.5"/2.5" universal SATA/SAS/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

SPECIFICATIONS

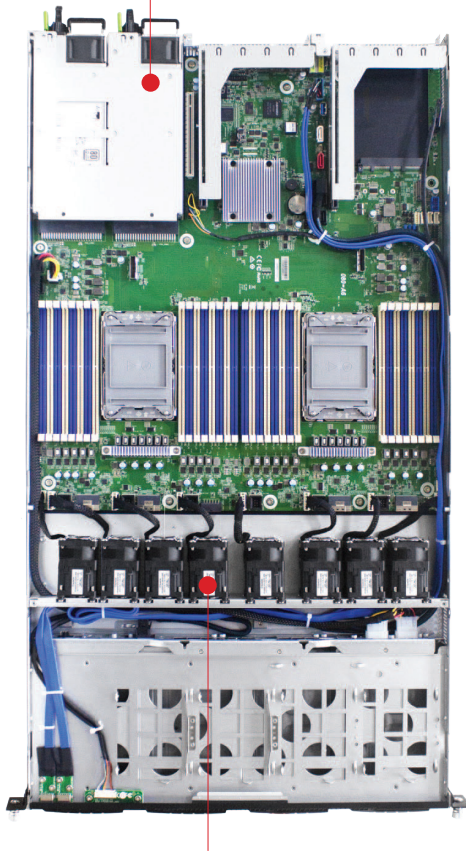
Dimensions (W x D x H)	mm : 438 x 800 x 43.5		
	inches : 17.2 x 31.5 x 1.7		
Motherboard	AIC Server Board		
Processor	Processor Support	<ul style="list-style-type: none"> • Intel® Ice Lake-SP Processors • Supports CPU TDP up to 270W* <i>*Please contact AIC Technical Support for more info/details about optimized CPUs and specialized system.</i>	
	UPI Speeds	10.4 GT/s, 9.6 GT/s	
	Socket Type	Socket P0 (LGA-4189 Socket)	
Chipset Support	Intel® C621A series PCH		
System Memory	<ul style="list-style-type: none"> • DDR4 3200/2933/2666/2400 (1DPC/2DPC) MHz • Total 16+16 DIMM slots (2DPC) • Up to 12TB 3DS ECC RDIMM/LRDIMM • Intel® Optane™ Persistent Memory 200 Series support 		
Front Panel	<ul style="list-style-type: none"> • System power on/off • System reset • 2 x USB 3.2 Gen1 Type A • System ID 		
LEDs	<ul style="list-style-type: none"> • Power status • System alert • System ID 		
Drive Bays	External	3.5"/2.5" hot swap	4 (6G SATA/12G SAS/PCIe x4 NVMe)
	Internal	2.5" OS	2
Backplane	1 x 4-port SATA/SAS/NVMe backplane with 1 x SFF-8643 + 2x SFF-8654(Slimline 8i) connectors		
Expansion Slots	PCIe 4.0	• 2 PCIe4.0 x16	
		• 1 OCP NIC 3.0	

Riser Card (included)	RC-PE1U02-Z2	1 x16 PCIe slot
System BIOS	BIOS Type	AMI UEFI BIOS
	BIOS Features	<ul style="list-style-type: none"> • ACPI • PXE • AC loss recovery • IPMI KCS interface • SMBIOS • Serial console redirection • BIOS Boot Specification • BIOS Recovery Mode
On-board Devices	SATA	Intel® C621A 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

800W 1+1 redundant power supply 80+ Platinum



8 x 40x56mm easy swap fans

Power supply and Server board are included.

REAR VIEW

1 x GbE RJ45



FRONT VIEW

4 x 3.5" hot swap drive bays



Rear I/O	LAN	1 x GbE RJ45 dedicated to BMC management
	USB	2 x USB 3.2 Type A
	VGA	1 x external DB-15 VGA port
	Serial Port	1 x RS-232 connector
Power Supply	800W 1+1 redundant power supply 80+ Platinum • AC INPUT : 100~240V,50/60Hz,7-3.5A	
System Cooling	8 x 40x56mm easy swap fans	
System Management	<ul style="list-style-type: none"> • 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	<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 : 615 x 1135 x 273
		inches : 24.2 x 44.7 x 10.7
Mounting	Standard	28" tool-less slide rail