SB204-ZL Storage Server Barebone



Features

- 24 x 3.5” + 4 x 2.5” Tri-mode drive bays
- Tool-less HDD/SSD drive design
- Built-in AIC Zelus server grade AMD EPYC™ 8000-series processor Siena/Sorano (Zen5) MB
- 3 x PCIe Gen5 X16 slot expansions, 2 x 10GbE plus BMC management ports
- Titanium level high-efficiency redundant power supply
- Short-depth design to fit in standard 1M rack cabinet

Front View



Rear View

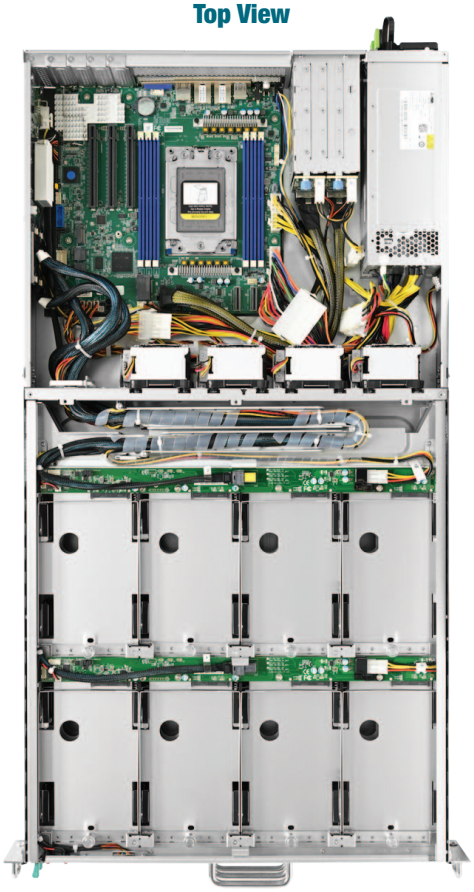


Specifications

Dimensions (W x D x H)	mm : 438 x 838 x 88		
	inches : 17.2 x 33 x 3.46		
Motherboard	AIC Server Board Zelus		
Processor	Processor Support	AMD EPYC™ 8000-series processor Siena (Zen4)/ Sorano (Zen5) microarchitecture **Please contact AIC Technical Support for more info/details about optimized CPUs and specialized system*	
	Socket Type	SP6	
Chipset Support	SOC		
System Memory	• DDR5 4800MT/s RDIMM • Total 6 memory slots		
Front Panel	System power, System reset and UID switch		
LEDs	• System power • HDD • LAN 1 • LAN 2 • UID • Warning		
Drive Bays	External	3.5" hot swap	24
	Internal	2.5" hot swap	4
Backplanes	• 6 x 4-port SATA/SAS BP with Slimline/SFF-8654 connectors • 2 x 2-port SATA/SAS/NVMe Tri-mode backplanes with Slimline/SFF-8654 + MCIO/SFF-TA-1016 connectors		

Expansion Slots	PCIe 5.0	3 X16 slots
Expander Board	12G EOB expander card (35X) DB-EXPD28-TY with internal 4 x Slimline 8i connectors and 2 x 8644 connectors	
System BIOS	BIOS Type	AMI UEFI BIOS
	BIOS Features	• ACPI • PXE • AC loss recovery • IPMI KCS interface • SMBIOS • Serial console redirection • SRIOV • TPM • PCIe hotplug
On-board Devices	SATA	2 x SATA 7-pin connectors with ASM1062R SATA 6Gbps controller (Supports RAID 0, RAID 1, SPAN)
	IPMI	Aspeed AST2600 Advanced PCIe Graphics & Remote Management Processor
	Network Controllers	• Realtek RTL8211FS GbE for BMC dedicate management port (NCSI shared NIC - reserved for Broadcom NIC) • Broadcom BCM57416/BCM5720L co-design supports 2 x 10G Base-T/1GbE
	Graphics	Integrated VGA support by ASPEED AST2600 Resolution up to 1920x1200 @60Hz 32bpp

Top View



(Power supply and Server board are included.)

Rear I/O	LAN	• 2 x RJ45 connectors for dual-port 10GbE/GbE • 1 x RJ45 connector (for BMC management port)
	USB	2 x USB 3.2 Gen 1 double-stack Type A connectors
	VGA	1 x external port
	Serial Port	1 x external COM port
	Other	1 x UID switch + LED
Power Supply	1200W 1+1 redundant PSU PMBus 1.2 80+ Titanium	
System Cooling	4 x 60x38mm PWM fans	

System Management	• Baseboard Management Controller • Intelligent Platform Interface 2.0 (IPMI 2.0) • iKVM, Media Redirection, IPMI over LAN, Serial over LAN • SMASH support • HTML5 • Redfish	
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 : 36 lbs : 79.4
Packaging Dimensions	(W x D x H)	mm : 584 x 1015 x 254 inches : 23 x 39.9 x 10

Ordering Information

SKU Number	Description
XP1-S204ZL02	2U 24x 3.5” SAS/SATA hot-swap (6x 4-port SATA/SAS backplanes), SAS 35x40 expander module, Rear: 4x 2.5” NVMe hot-swap (2x 2-port PCIe Gen5 NVMe backplanes), 4x 6038 fan, Acbel 1300W redundant power supply Titanium (C14 inlet), Zelus, DDR5 RDIMM x6, 2x M.2 2280 PCIe/SATA, 2x 10GbE LAN, 1x GbE dedicate IPMI, 3x PCIe x16 Gen5 (HHHL), mATX, 1x CPU heatsink, 36” slide rail, w/o bezel

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