SB121-PH



Features :

- 1U 10-Bay storage server with the exceptionally high storage density
- Supports two Intel® Xeon® Processors E5-2600 v3 Product Family
- With Intel® C612 Series Chipset to provide 5+ years product life cycle
- Flexible IO usage with Max IO™ to support up to 4 COTS PCIe 3.0 cards in a 1U
- Onboard Baseboard Management Controller for system management and IPMI control
- Two 10 GbE SFP+ ports
- Front-to-back airflow and hot swap redundant fans to provide optimal thermal conditions
- Customizable to meet your requirements

SPECIFICATIONS

Dimensions (W x D x H) (with chassis ears)	mm : 482.6 x 787.4 x 44.4		
	inches : 19 x 31 x 1.75		
Motherboard	AIC Server Board Phoenix		
Processor	Processor Support	Two Intel® Xeon® Processors E5-2600 v3 Product Family	
	QPI Speeds	9.6 GT/s, 8.0 GT/s, 7.2 GT/s	
	Socket Type	Socket R3 (FCLGA2011-3)	
Chipset Support	Intel® C612 Chipset		
System Memory	• 12 DIMM slots across 8 memory channels (4 memory channels per CPU; 2 channels with 2DPC and 2 channels with 1DPC) - 384GB DDR4 2133/1866 RDIMM DRx4 - 96GB DDR4 2133/1866 RDIMM SRx4 - 768GB DDR4 2133/1866 LRDIMM QRx4 - 1536GB DDR4 2133/1866 LRDIMM 3DS 8Rx4		
Front Panel	• Power on/off • System ID • System reset • USB 2.0 Type A connector		
LEDs	• Power • System ID • Alert		
Drive Bays	External	2.5" hot swap	10
Backplane	1 x 10-port 6Gb SAS backplane with 3 SFF-8087 connectors		
Expansion Slots	PCIe 3.0	4 x8	
Riser Card (included)	PSG-RC-TO1U-40-110	1U PCIe Gold-finger to 4 x PCIe x8	

System BIOS	BIOS Type	• Insyde UEFI BIOS • SPI (Serial Peripheral Interface) FLASH Interface
	BIOS Features	• ACPI • PXE • WOL • AC loss recovery • IPMI 2.0 KCS interface • SMBIOS • Serial console redirection • BIOS Boot Specification • BIOS Recovery Mode • SRIOV • PCIe Hotplug • iSCSI • TPM • PCIe NTB
On-board Devices	SATA	Built-in SATA controller with RAID support on Intel® C612 Chipset
	IPMI	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 • SMASH Support
	Network Controllers	• Intel® 82599ES 10 GbE 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	Aspeed AST2400 Advanced PCIe Graphics & Remote Management Processor • PCIe VGA/2D Controller • 1920x1200@60Hz 32bpp

PLATFORM SOLUTIONS GROUP

• TOP VIEW •

AC 650W 1+1 redundant power supply 80+



** Power supply and Server board are included.*

• REAR VIEW •

2 x 10 GbE SFP+



• FRONT VIEW •

10 x 2.5” hot swap drive bays



Rear I/O	LAN	2 x 10 GbE SFP+ 2 x RJ45
	USB	2 x USB 3.0 Type A
	VGA	1 x DB-15
	Serial Port	1 x DB-9
Power Supply	AC 650W 1+1 redundant high-efficiency power supply 80+ • 90-264VAC, 47-63 Hz	
System Cooling	6 x 40x56mm 21500/18000 rpm hot swap fan modules	
System Management	• 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	• Operating temperature : 0° - 35°C • Operating altitude condition : 0 ~ 10K feet • Storage temperature : -20° ~ 60°C • System relative humidity : 5% - 95% (38°C) non-condensing	
Gross Weight	(w/ PSU & Rail)	kgs : 24
		lbs : 53
Packaging Dimensions	(W x D x H)	mm : 590 x 1130 x 273
		inches : 23.2 x 44.5 x 10.7
Mounting	Standard	28" tool-less slide rail

Remark: All specifications and photos are subject to change without notice.

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