

SB122A-PV



Features :

- 1U 10-Bay storage server supports 10 PCIe SSD 2.5" FF drives (NVMe) to provide a highly dense, all NVMe Flash storage array
- Supports two Intel® Xeon® Scalable Processors
- With Intel® Lewisburg C620 series Chipset to provide 5+ years product life cycle
- Flexible IO usage with Max IO™ to support up to 2 COTS PCIe 3.0 cards
- Onboard Baseboard Management Controller for system management and IPMI control
- Front-to-back airflow and hot swap redundant fans to provide optimal thermal conditions
- Customizable to meet your requirements
- Two 10 GbE SFP+ ports

SPECIFICATIONS

Dimensions (W x D x H) (with chassis ears)	mm : 482.6 x 845 x 44.4
	inches : 19 x 33.2 x 1.75
Motherboard	AIC Server Board Pavo
Processor	Processor Support Intel® Xeon® Scalable Processors
	UPI Speeds 9.6 GT/s, 10.4 GT/s
	Socket Type Socket P0 (LGA-3647 Socket)
Chipset Support	Intel® Lewisburg C620 series Chipset
System Memory	<ul style="list-style-type: none"> • DDR4 2666 ECC RDIMM • Total 16 memory slots; 6 channel per CPU (4 x 1DPC + 2 x 2DPC per CPU)
Expansion Slots	PCIe 3.0 <ul style="list-style-type: none"> • 1 x PCIe X16 slot • 1 x PCIe X16 OCP Mezzanine card
	BIOS Type Insyde BIOS
System BIOS	BIOS Features <ul style="list-style-type: none"> • ACP • PXE • WOL • AC loss recovery • SMBIOS • Serial console redirection • BIOS Boot Specification • BIOS Recovery Mode • SRIOV

On-board Devices	SATA/SAS	<ul style="list-style-type: none"> • Lewisburg PCH on-chip solution • 4 x SATA 6.0 Gb/s (by 1 x mini-SAS HD) + 2 x SATA 6.0 Gb/s (by 2 x SATA 7 pin) • 5 x SATA 6.0 Gb/s by Max I/O™; one of Max I/O™ SATA port share with one of SATA in mini-SAS HD
	IPMI	<ul style="list-style-type: none"> • 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
	Network Controllers	<ul style="list-style-type: none"> • Intel® PCH (Lewisburg) Integrated 10GbE LAN Controller with dual SFP+ rear connectors • Intel® I350 dual ports GbE RJ45 rear connectors • Realtek RTL8201EL for BMC dedicate management port
	Graphics	<ul style="list-style-type: none"> • Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor • PCIe VGA/2D Controller • 1920x1200@60Hz 32bpp



TOP VIEW

750W 1+1 redundant power supply 80+ Platinum



REAR VIEW

1 x PCIe X16 slot



FRONT VIEW

10 x 2.5" hot swap drive bays



Power supply and Server board are included.

Rear I/O	LAN	<ul style="list-style-type: none"> • 2 x 10G SFP+ • 2 x GbE RJ45 • 1 x GbE RJ45 dedicated to BMC management
	USB	2 x USB 3.0 double-stack Type A
	VGA	1 x external VGA port
	Serial Port	1 x external DB-9 COM port
Power Supply	750W 1+1 redundant power supply 80+ Platinum • 100-240VAC, 47-63 Hz	
System Cooling	6 x 40x56mm 21500/18000 rpm hot swap fan modules	
System Management	<ul style="list-style-type: none"> • 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 • HTML5 • Redfish 	

Environmental Specifications	<ul style="list-style-type: none"> • Operating temperature : 0° - 35°C • System relative humidity : 5% - 95% 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