

SB302-LB



Features :

- 3U 16-Bay storage server
- Supports two Intel® Xeon® Processors E5-2600 v3 and v4 product family
- With Intel® C612 Series Chipset to provide 5+ years product life cycle
- Onboard Baseboard Management Controller for system management and IPMI control
- Front-to-back airflow and hot swap redundant fans to provide optimal thermal conditions
- Two 10 GbE RJ45 ports

SPECIFICATIONS

Dimensions (W x D x H) (with chassis ears)	mm : 483 x 645 x 132		
	inches : 19 x 25.4 x 5.2		
Motherboard	AIC Server Board Libra		
Processor	Processor Support	Two Intel® Xeon® Processors E5-2600 v3 and v4 product family	
	QPI Speeds	9.6 GT/s, 8 GT/s, 7.2 GT/s	
	Socket Type	Socket R3 (FCLGA2011-3)	
Chipset Support	Intel® C612 Chipset		
System Memory	<ul style="list-style-type: none"> • 16 DIMM slots across 8 memory channels (4 memory channels per CPU; 2DPC) - 512GB DDR4 2133/1866 RDIMM DRx4 - 128GB DDR4 2133/1866 RDIMM SRx4 - 1024GB DDR4 2133/1866 LRDIMM QRx4 - 2048GB DDR4 2133/1866 LRDIMM 3DS 8Rx4 		
Front Panel	<ul style="list-style-type: none"> • Power on/off • System ID • System reset • NMI button • 2 x USB 		
LEDs	<ul style="list-style-type: none"> • Power • System ID • Alert • LAN • Drive 		
Drive Bays	External	3.5" hot swap	16
		2.5" hot swap	Options : • 2 x 2.5" hot swap • 2 x 2.5" internal
	Internal	2.5"	
Backplane	Options	1 x 16-port 12Gb SAS backplane with 28-PHY expander chip and 3 SFF-8643 connectors	
		1 x 16-port 12Gb SAS backplane with 4 SFF-8643 connectors	

Expansion Slots	PCIe 3.0	2 x16 + 1 x16 (x8 mode) + 3 x8
System BIOS	BIOS Type	<ul style="list-style-type: none"> • Insyde UEFI BIOS • SPI (Serial Peripheral Interface) FLASH Interface
	BIOS Features	<ul style="list-style-type: none"> • ACPI • PXE • WOL • AC loss recovery • IPMI 2.0 KCS interface • SMBIOS • Serial console redirection • BIOS Boot Specification • BIOS Recovery Mode • SRIOV • iSCSI • TPM • PCIe NTB
On-board Devices	SATA	Built-in SATA controller with RAID support on Intel® C612 Chipset
	IPMI	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Intel® Ethernet Controller X540-BT2 dual port 10 GbE, 10GBASE-T, PCIe v2.1, x8 (Or Intel® Ethernet Controller I350-AM2, dual port GbE, PCIe v2.0 (co-lay with Intel® X540-BT2). MOQ required.) • 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, 1Gbps • Realtek® RTL8201EL single port 10/100 Mbps Ethernet PHYceiver for dedicated BMC port
	Graphics	<ul style="list-style-type: none"> • Aspeed AST2400 Advanced PCIe Graphics & Remote Management Processor • PCIe VGA/2D Controller • 1920x1200@60Hz 32bpp



• TOP VIEW •

800W 1+1 redundant PSU 80+ Gold

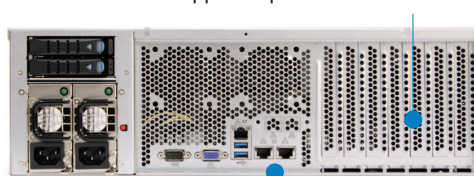


3 x 8038 PWM & low power hot swap fans

* Power supply and Server board are included.

• REAR VIEW •

Supports up to 6 x PCIe 3.0 slots



2 x 10 GbE RJ45 ports

• FRONT VIEW •

16 x 3.5" hot swap drive bays



Rear I/O	LAN	2 x RJ45 1 x RJ45 (dedicated BMC port) 2 x RJ45 cabled from two internal 2x5 box pin-header (optional accessory)
	USB	2 x USB 3.0 Type A
	VGA	1 x DB-15
	Serial Port	1 x DB-9
Power Supply	800W 1+1 redundant PSU 80+ Gold	
System Cooling	Middle : 3 x 80x38 PWM & low power hot swap fans	
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 	

Environmental Specifications	<ul style="list-style-type: none"> • 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 : 32
		lbs : 70.4
Packaging Dimensions	(W x D x H)	mm : 590 x 850 x 335
		inches : 23.2 x 33.5 x 13.2
Mounting	Standard	28" tool-less slide rail