

SB302-VG

AIC



Features :

- 3U 16-Bay general purpose storage server
- Supports two Intel® Xeon Scalable Processors
- With Intel® Lewisburg C620 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 10GbE SFP+ ports plus dedicated BMC management port
- Customizable to meet OEM/ODM requirements

SPECIFICATIONS

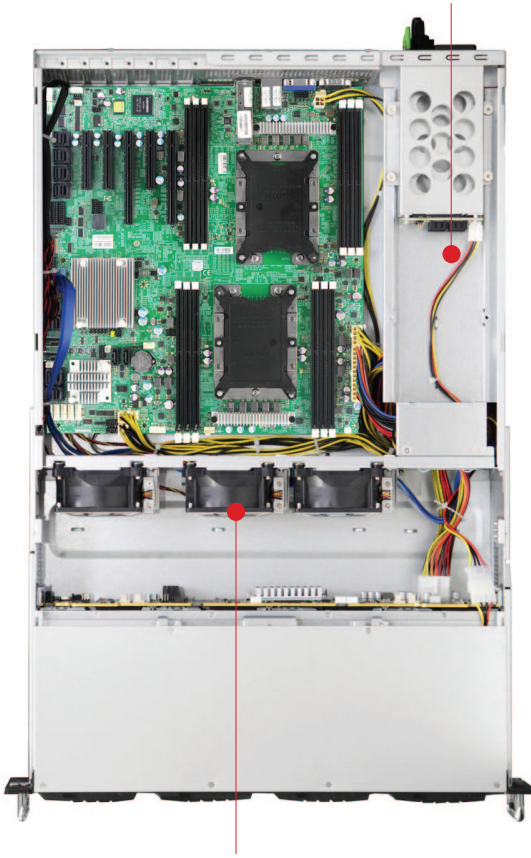
Dimensions (W x D x H)	mm : 430 x 680 x 132.8		
	inches : 17 x 26.8 x 5.2		
Motherboard	AIC Server Board Virgo		
Processor	Processor Support	Intel® Xeon® Scalable Processors	
	UPI Speeds	9.6 GT/s, 10.4 GT/s	
	Socket Type	Socket P0 (LGA-3647 Socket)	
Chipset Support	Intel® Lewisburg C620 series PCH		
System Memory	<ul style="list-style-type: none"> • DDR4 2666 ECC RDIMM • Total 12 memory slots; 6 channel per CPU (1DPC) 		
Front Panel	<ul style="list-style-type: none"> • Power on/off • System reset • System ID • 1 x USB 3.0 Type A connector 		
LEDs	<ul style="list-style-type: none"> • Power status • System alert • LAN active • Drive active • System ID 		
Drive Bays	External	3.5" hot swap	16
		2.5" hot swap	2 (7mm, rear)
Backplane	<ul style="list-style-type: none"> • 1 x 16-port 12G SAS backplanes with 28-PHY expander and 3 SFF-8643 connectors • 1 x 16-port 12G SAS passive backplane with 4 SFF-8643 + 4 x NVMe U.2 connectors (BTO) • 1 x 16-port 12G SAS backplane with 3 SFF-8643 connectors (BTO) 		
Expansion Slots	PCIe 3.0	• 2 x PCIe Gen3 x16	
		• 1 x PCIe Gen3 x16 (x8 mode) • 3 x PCIe Gen3 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/SAS	<ul style="list-style-type: none"> • Lewisburg PCH on-chip solution • 8 x SATA 6.0 Gb/s (by 2 x mini-SAS) + 2 x SATA 6.0 Gb/s (by 2 x SATA 7 pin) • Broadcom SAS IOC SAS3008 supports up to 8 ports 12G SAS via 2 x SFF-8643 mini-SAS HD (optional)
	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 10GbE SFP+ + 2 x configurable ports support 10GbE (KR/SFI/XFI) or 1GbE (KX) (option) • Realtek RTL8201EL for BMC dedicated 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

800W 1+1 redundant power supply 80+ Platinum

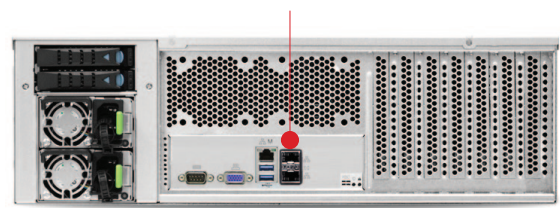


3 x 8038mm PWM & low power hot swap fans

Power supply and Server board are included.

REAR VIEW

2 x 10GbE SFP+



FRONT VIEW

16 x 3.5" hot swap drive bays



Rear I/O	LAN	<ul style="list-style-type: none"> • 2 x 10GbE SFP+ • 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	800W 1+1 redundant power supply 80+ Platinum	
System Cooling	3 x 80x38mm PWM & low power hot swap fans	
System Management	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Operating temperature : 0° - 35°C • System relative humidity : 5% - 95% non-condensing 	

Gross Weight	(w/ PSU & Rail)	kgs : 32
		lbs : 70.5
Packaging Dimensions	(W x D x H)	mm : 605 x 920 x 366
		inches : 23.8 x 36.2 x 14.4
Mounting	Standard	28" tool-less slide rail