

# SB102-VG



## Features :

- 1U 10-Bay high density 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
- Customizable to meet your requirements
- Two 10 GbE SFP+ ports

## SPECIFICATIONS

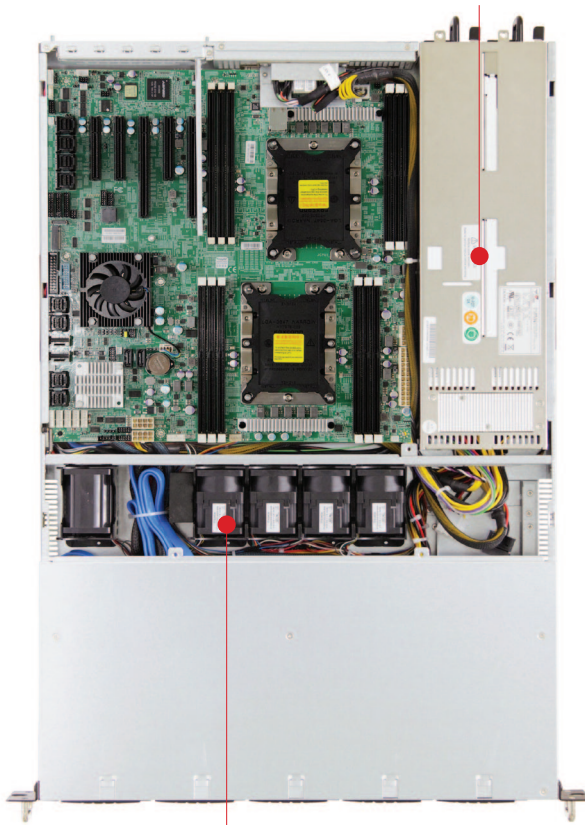
<b>Dimensions</b> (W x D x H) (with chassis ears)	mm : 482.6 x 660x 44	
	inches : 19 x 26 x 1.7	
<b>Motherboard</b>	AIC Server Board Virgo	
<b>Processor</b>	Processor Support	Intel® Xeon® Scalable Processors
	UPI Speeds	9.6 GT/s, 10.4 GT/s
	Socket Type	Socket P0 (LGA-3647 Socket)
<b>Chipset Support</b>	Intel® Lewisburg C620 series Chipset	
<b>System Memory</b>	<ul style="list-style-type: none"> <li>• DDR4 2666 ECC RDIMM</li> <li>• Total 12 memory slots; 6 channel per CPU (1DPC)</li> </ul>	
<b>Expansion Slots</b>	PCIe 3.0	1 x16 slot via riser card
	BIOS Type	Insyde BIOS
<b>System BIOS</b>	BIOS Features	<ul style="list-style-type: none"> <li>• ACP</li> <li>• PXE</li> <li>• WOL</li> <li>• AC loss recovery</li> <li>• SMBIOS</li> <li>• Serial console redirection</li> <li>• BIOS Boot Specification</li> <li>• BIOS Recovery Mode</li> <li>• SRIOV</li> </ul>

<b>On-board Devices</b>	SATA/SAS	<ul style="list-style-type: none"> <li>• Lewisburg PCH on-chip solution</li> <li>• 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)</li> <li>• Broadcom SAS IOC SAS3008 supports up to 8 ports 12S SAS via 2 x SFF-8643 mini-SAS HD (optional)</li> </ul>
	IPMI	<ul style="list-style-type: none"> <li>• Aspeed AST2500 Advanced PCIe Graphics &amp; Remote Management Processor</li> <li>• Baseboard Management Controller</li> <li>• Intelligent Platform Interface 2.0 (IPMI 2.0)</li> <li>• iKVM, Media Redirection, IPMI over LAN, Serial over LAN</li> <li>• SMASH Support</li> </ul>
	Network Controllers	<ul style="list-style-type: none"> <li>• Intel® PCH (Lewisburg) Integrated 10GbE LAN Controller with dual 10GbE SFP+ + 2 x configurable ports support 10GbE (KR/SFI/XFI) or 1GbE (KX) (option)</li> <li>• Realtek RTL8201EL for BMC dedicate management port</li> </ul>
	Graphics	<ul style="list-style-type: none"> <li>• Aspeed AST2500 Advanced PCIe Graphics &amp; Remote Management Processor</li> <li>• PCIe VGA/2D Controller</li> <li>• 1920x1200@60Hz 32bpp</li> </ul>



TOP VIEW

650W 1+1 redundant power supply



5 x 4056mm dual rotor fans

Power supply and Server board are included.

REAR VIEW

1 x 16 slot via riser card



FRONT VIEW

10 x 2.5" hot swap drive bays



<b>Rear I/O</b>	LAN	<ul style="list-style-type: none"> <li>• 2 x 10G SFP+</li> <li>• 1 x GbE RJ45 dedicated to BMC management</li> </ul>
	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
<b>Power Supply</b>	650W 1+1 redundant power supply (Optional 750W/850W 1+1 redundant power supply)	
<b>System Cooling</b>	5 x 40x56mm dual rotor fans	
<b>System Management</b>	<ul style="list-style-type: none"> <li>• Baseboard Management Controller</li> <li>• Intelligent Platform Interface 2.0 (IPMI 2.0)</li> <li>• iKVM, Media Redirection, IPMI over LAN, Serial over LAN</li> <li>• SMASH Support</li> <li>• HTML5</li> <li>• Redfish</li> </ul>	

<b>Environmental Specifications</b>	<ul style="list-style-type: none"> <li>• Operating temperature : 0° - 35°C</li> <li>• System relative humidity : 5% - 95% non-condensing</li> </ul>	
	<b>Gross Weight</b>	(w/ PSU & Rail)
<b>Packaging Dimensions</b>		(W x D x H)
	inches : 23.2 x 41.3 x 13	
<b>Mounting</b>	Standard	28" tool-less slide rail