

# SB101-SP

# AIC



## Features

- 1U 4-Bay general purpose storage server
- Supports two Intel® Xeon® Scalable Processors with Intel® Lewisburg C620 series chipset
- 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 (optional, BTO)

## SPECIFICATIONS

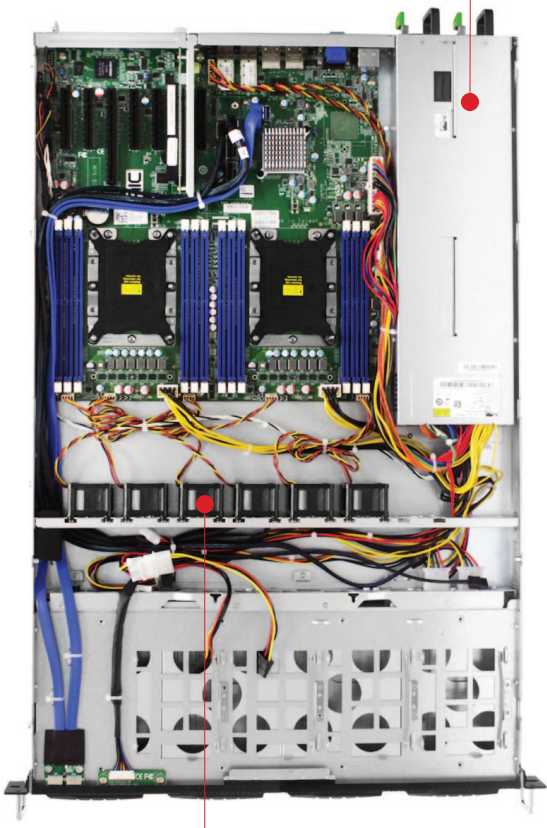
<b>Dimensions</b> (W x D x H)	mm : 438 x 680 x 43.5		
	inches : 17.2 x 26.7 x 1.7		
<b>Motherboard</b>	AIC Server Board Spica		
<b>Processor</b>	Processor Support	<ul style="list-style-type: none"> <li>• Intel® Xeon® Scalable Processors (Skylake and next gen. CPU)</li> <li>• Supports CPU TDP up to 105W</li> </ul>	
	UPI Speeds	10.4 GT/s, 9.6 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 2666/2400MHz (feature supports up to DDR4 2933MHz by next gen. process upgrade)</li> <li>• Total 12 memory slots ; 6 channel per CPU (1DPC)</li> <li>• Intel® NVM DIMM (Apache Pass) support by next gen. Purley Refresh CPU</li> </ul>		
<b>Front Panel</b>	<ul style="list-style-type: none"> <li>• System power on/off</li> <li>• System reset</li> <li>• 2 x USB 3.0 Type A</li> </ul>		
<b>LEDs</b>	<ul style="list-style-type: none"> <li>• Power status</li> <li>• HDD activity</li> <li>• LAN activity</li> </ul>		
<b>Drive Bays</b>	External	3.5" hot swap	4
	Internal	2.5"	2
<b>Backplane</b>	1 x 4-port 12G SAS backplane with 1 x SFF-8643 connector		
<b>Expansion Slots</b>	PCIe 3.0	1 x16 slot (FH)	

<b>Riser Card</b> (included)	PC1-E16	1 x16 PCIe slot
<b>System BIOS</b>	BIOS Type	AMI UEFI BIOS
	BIOS Features	<ul style="list-style-type: none"> <li>• ACPI</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	Intel® Lewisburg PCH on-chip solution • 12 x SATA 6.0 Gb/s (by 3 x mini-SAS HD) + 2 x SATA 6.0 Gb/s (by 2 x SATA 7 pin)
	IPMI	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 • HTML5
	Network Controllers	<ul style="list-style-type: none"> <li>• Intel® I350 dual ports with RJ45 connectors on rear I/O</li> <li>• Intel® PCH (Lewisburg) Integrated 10GbE LAN Controller supports 2 x 10GbE SFP+ on rear I/O (Optional, BTO)</li> <li>• Realtek RTL8211E for BMC dedicated management port</li> </ul>
	Graphics	Aspeed AST2500 Advanced PCIe Graphics & Remote Management Process • PCIe VGA/2D Controller • 1920x1200@60Hz 32bpp



TOP VIEW

450W 1+1 redundant power supply 80+ Gold



6 x 40x28mm hot swap fans

Power supply and Server board are included.

REAR VIEW

2 x GbE RJ45



FRONT VIEW

4 x 3.5" hot swap drive bays



<b>Rear I/O</b>	LAN	<ul style="list-style-type: none"> <li>• 2 x GbE RJ45</li> <li>• 2 x 10GbE SFP+ (Optional BTO)</li> <li>• 1 x GbE RJ45 dedicated to BMC management</li> </ul>
	USB	2 x USB 3.0 Type A
	VGA	1 x external DB-15 VGA port
	Serial Port	1 x external DB-9 COM port
<b>Power Supply</b>	450W 1+1 redundant power supply 80+ Gold • AC INPUT : 100~240V,50-60Hz,7.8~3.8A 500W single power supply 80+ Gold (BTO) • AC INPUT : 100~240V,60-50Hz,8-5A	
<b>System Cooling</b>	6 x 40x28mm hot swap fans (Optional 6 x 40x56mm hot swap fans, BTO)	
<b>System Management</b>	<ul style="list-style-type: none"> <li>• IPMI : 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>	

<b>Environmental Specifications</b>	<ul style="list-style-type: none"> <li>• Storage temperature : -10°C(14°F) ~ 60°C(140°F)</li> <li>• Operating temperature : 0°C(32°F) ~ 35°C(95°F)</li> <li>• Storage operating humidity : 5%~95% non-condensing</li> </ul>	
<b>Gross Weight</b>	(w/ PSU & Rail)	kgs : 20
		lbs : 44
<b>Packaging Dimensions</b>	(W x D x H)	mm : 615 x 1020 x 273
		inches : 24.2 x 40.2 x 10.7
<b>Mounting</b>	Standard	28" tool-less slide rail

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