

SB101-VG

AIC



Features :

- 1U 4-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

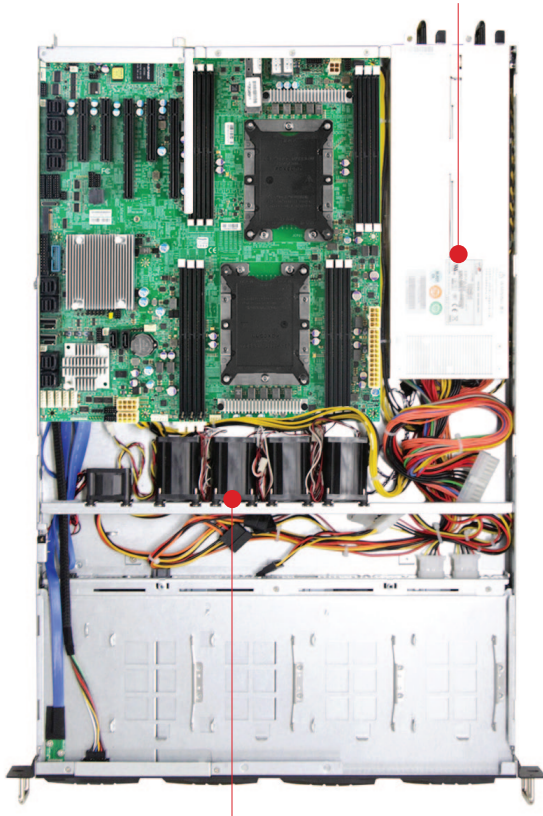
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|----------------------------------|--|---------------------------------------|---|
| Dimensions (W x D x H) | mm : 438 x 680 x 43.5 | | |
| | inches : 17.2 x 26.8 x 1.7 | | |
| Motherboard | AIC Server Board Virgo | | |
| Processor | Processor Support | 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"> • System power on/off • System reset • 1 x USB 3.0 port | | |
| LEDs | <ul style="list-style-type: none"> • Power status • HDD active • LAN active | | |
| Drive Bays | External | 3.5" hot swap | 4 |
| | Internal | 2.5" | 4 |
| Backplane | 1 x 4-port 12G SAS backplane with 1 x SFF-8643 connector | | |
| Expansion Slots | PCIe 3.0 | 1 x PCIe Gen3 x16 slot via riser card | |

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|-------------------------|---------------------|---|--|
| System BIOS | BIOS Type | Insyde BIOS | |
| | BIOS Features | <ul style="list-style-type: none"> • ACP • PXE • WOL • AC loss recovery • Serial console redirection | <ul style="list-style-type: none"> • SMBIOS • BIOS Boot Specification • BIOS Recovery Mode • SRIOV |
| On-board Devices | SATA/SAS | Lewisburg PCH on-chip solution <ul style="list-style-type: none"> • 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 | Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor <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 | |
| | 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 | Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor <ul style="list-style-type: none"> • PCIe VGA/2D Controller • 1920x1200@60Hz 32bpp | |



TOP VIEW

450W 1+1 redundant power supply 80+ Platinum



1 x 4028mm + 4 x 4056mm PWM fans

Power supply and Server board are included.

REAR VIEW

2 x 10GbE SFP+



FRONT VIEW

4 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 | <ul style="list-style-type: none"> • 500W single power supply • 450W 1+1 redundant power supply 80+ Platinum | |
| System Cooling | 4 x 40x56mm + 1 x 40x28mm PWM 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 | |

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|-------------------------------------|---|-----------------------------|
| 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 : 20 |
| | | lbs : 44 |
| Packaging Dimensions | (W x D x H) | mm : 615 x 1020 x 273 |
| | | inches : 24.2 x 40.2 x 10.8 |
| Mounting | Standard | 28" tool-less slide rail |