



Front View

24 x 3.5" hot swap drive bays



Features

- 4U general purpose storage server supports 36 hot swap 3.5" SAS drive bays on the front and 6 hot swap 3.5 SAS drive bays on the rear
- Supports 2nd Gen. Intel® Xeon® Scalable processors (Cascade Lake Refresh/Cascade Lake/Skylake)
- 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

Rear View

2 x 10GbE SFP+



12 x 3.5" hot swap drive bays

Specifications

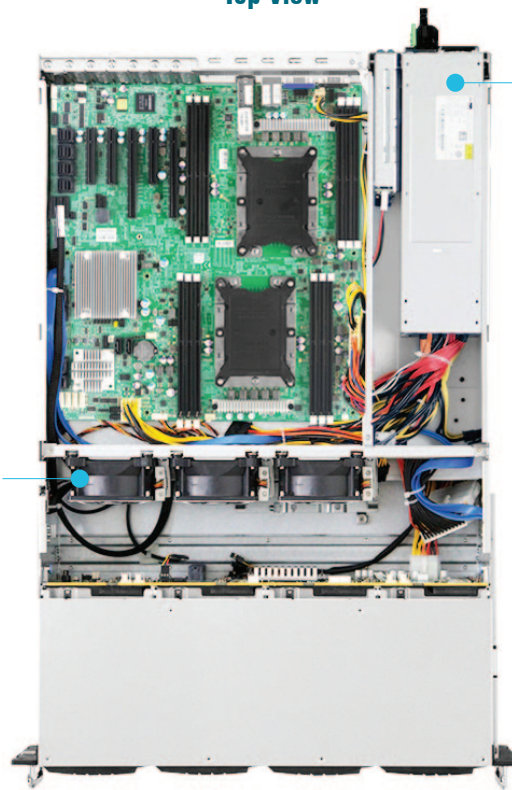
Dimensions (W x D x H)	mm : 430 x 680 x 174.3		
	inches : 16.9 x 26.8 x 6.9		
Motherboard	AIC Server Board Virgo		
Processor	Processor Support	• Intel® Xeon® Scalable Processors (Cascade Lake Refresh/Cascade Lake/Skylake) • Supports CPU TDP up to 140W <i>*Use over 140W CPU, please contact AIC Technical Support for more info/details about optimized CPUs and specialized system.</i>	
	UPI Speeds	10.4 GT/s, 9.6 GT/s	
	Socket Type	Socket P0 (LGA-3647 Socket)	
Chipset Support	Intel® Lewisburg C620 series PCH		
System Memory	• 6 x memory channels per CPU, 1 x DIMM per channel • 12 x DIMM slots support: 2933/2666/2400MHz • Intel® Optane™ DC Persistent Memory (Apache Pass) support		
Front Panel	System power on/off, System ID, System reset, 2x USB 3.0 Type A		
LEDs	Power status, System alert, LAN activity, Drive activity, System ID		
Drive Bays	External	3.5" hot swap	36
		2.5" hot swap	2 (7mm, rear)
	Internal	M.2	2 x M.2(NGFF)/M-Key/2280
Backplane	• 1 x 24-port 12Gb SAS backplane with 36-PHY expander and 3 SFF-8643 connectors • 1 x 12-port 12Gb SAS backplane with 28-PHY expander and 3 SFF-8643 connectors		
Expansion Slots	PCIe 3.0	• 2 x PCIe X16 slots (LP) • 3 x PCIe X8 slots (LP)	

System BIOS	BIOS Type	Insyde UEFI BIOS	
	BIOS Features	• ACP • PXE • WOL • AC loss recovery • SMBIOS • SRIOV	• Serial console redirection • BIOS Boot Specification • BIOS Recovery Mode • TPM • PCIe Hotplug
On-board Devices	SATA	Intel® 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) • RAID 0, 1, 5, 10 support by Intel RSTe Broadcom SAS IOC SAS3008 supports up to 8 ports 12G SAS via 2 x mini-SAS HD (optional)	
	BMC	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 • Redfish	
	Network Controllers	• 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 • PCIe VGA/2D Controller • 1920x1200@60Hz 32bpp	

Top View

6 x 80x38mm
hot swap fans

1200W 1+1 redundant
power supply 80+ Platinum



(Power supply and Server board are included.)

SB402-VG

Rear I/O	LAN	• 2 x 10GbE SFP+ • 1 x 10/100M RJ45 dedicated to BMC management
	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
TPM Support	2.0 onboard	
Power Supply	1200W 1+1 redundant power supply 80+ Platinum • AC INPUT : 100~127V,50/60Hz,10A • DC OUTPUT : 800W • AC INPUT : 200~240V,50/60Hz,8A • DC OUTPUT : 1200W	
System Cooling	6 x 80x38mm hot swap fans	

System Management	• 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 • HTML5 • Redfish
	Environmental Specifications		
• Storage temperature : -10°C(14°F) ~ 60°C(140°F) • Operating temperature : 0°C(32°F) ~ 35°C(95°F) • Storage operating humidity : 5%~95% non-condensing			
Gross Weight	(w/ PSU & Rail)	kgs : 40.4	
		lbs : 89	
Packaging Dimensions	(W x D x H)	mm : 605 x 926 x 406	
		inches : 23.8 x 36.5 x 16	
Mounting	Standard	28" tool-less slide rail	

Ordering Information

SKU Number	Description
XP1-S402VG02	4U 36-bay storage server,12G EOB backplane, Acbel 2U 1200W HRP Platinum, 2x 7mm hot-swap OS, Virgo motherboard, Intel Purley, ATX PWR, DDR4 RDIMM x12, Intel PCH C622, 2x 10G SFP, SAS3008 IOC, EATX, 2x CPU heatsink, 28" slide rail, w/o bezel