



Front View

24 x 3.5" hot swap drive bays

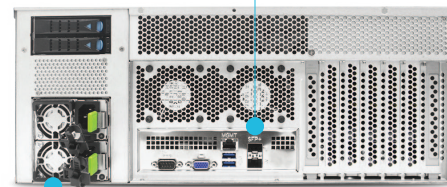


Features

- 4U general purpose storage server supports 24 hot swap 3.5" SAS drive bays
- 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+



1200W 1+1 redundant power supply 80+ Platinum

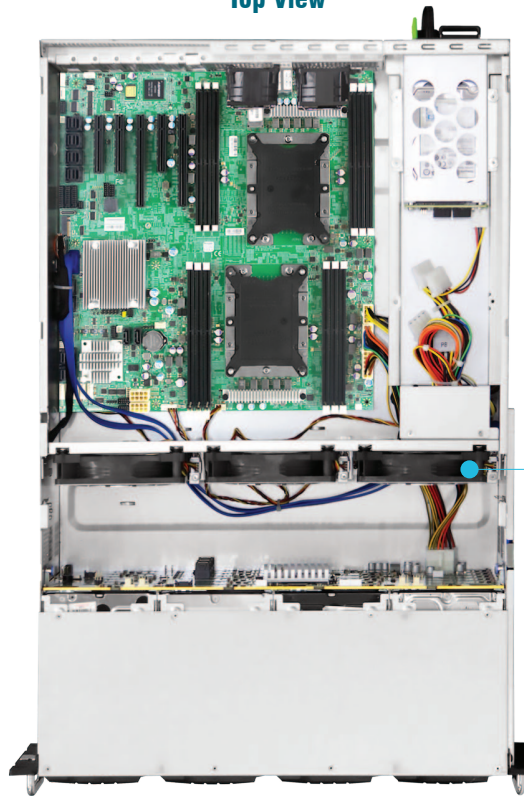
Specifications

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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	24
		2.5" hot swap	2 (15mm, rear)
	Internal	M.2	2 x M.2(NGFF)/M-Key/2280
Backplane	Options	1 x 24-port 12Gb SAS backplane with 36-PHY expander and 3 SFF-8643 connectors	
		1 x 24-port 12Gb SAS passive backplane with 6 SFF-8643 + 4 x NVMe U.2 connectors (BTO)	
		1 x 24-port 12Gb SAS backplane with 6 SFF-8643 connectors (BTO)	

Expansion Slots	PCIe 3.0	<ul style="list-style-type: none"> • 2 x PCIe X16 slots (FHHL) • 3 x PCIe X8 slots (FHHL) 	
	BIOS Type	Insyde UEFI BIOS	
System BIOS	BIOS Features	<ul style="list-style-type: none"> • ACPI • PXE • WOL • AC loss recovery • IPMI 2.0 KCS interface • SMBIOS • Serial console redirection 	<ul style="list-style-type: none"> • BIOS Boot Specification • BIOS Recovery Mode • iSCSI • TPM • PCIe Hotplug
		SATA	<ul style="list-style-type: none"> • 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)
On-board Devices	BMC	<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 • HTML5 • Redfish 	
	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



3 x 120x25mm hot swap fans

(Power supply and Server board are included.)

SB401-VG

Rear I/O	LAN	<ul style="list-style-type: none"> • 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	3 x 120x25mm hot swap fans + 2 x 60x38mm 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"> • 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 : 35
		lbs : 77
Packaging Dimensions	(W x D x H)	mm : 605 x 920 x 406
		inches : 23.8 x 36.2 x 16
Mounting	Standard	28" tool-less slide rail

Ordering Information

SKU Number	Description
XP1-S401VG02	4U 24-bay storage server, 1x 24-port 12G SAS EOB backplanes, 1200W Platinum redundant power supply, 2x 7mm hot-swap OS, Virgo motherboard, Intel® Xeon® Scalable Processors, ATX PWR, DDR4 2933 ECC RDIMM x12, Intel PCH C622, 2x 10G SFP+ SAS3008 IOC, EATX, 2x CPU heatsinks, 28" slide rail, w/o bezel