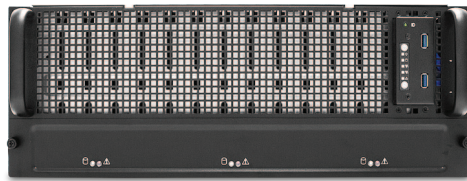




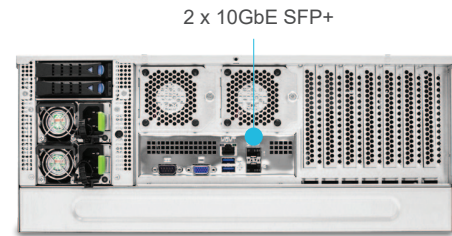
Front View



Features

- 4U high-density storage server supports 60 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



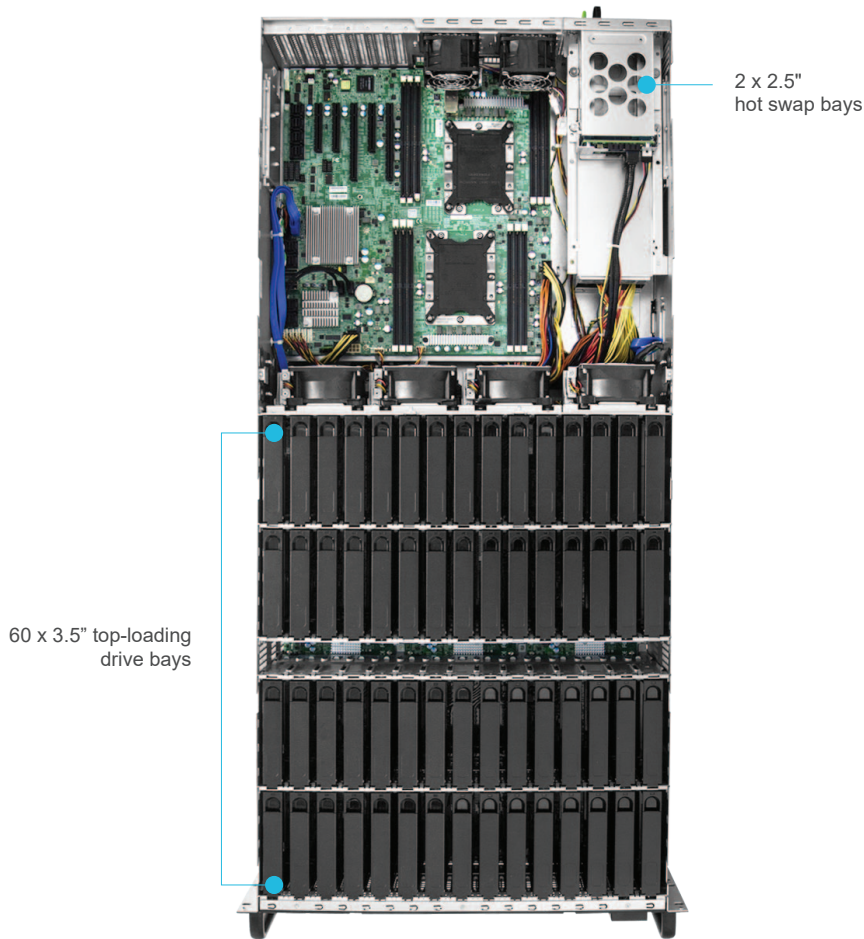
Specifications

Dimensions (W x D x H)	mm : 435 x 953 x 175.7		
	inches : 17.1 x 37.5 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 165W <i>*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 reset, 2 x USB 3.0 Type A		
LEDs	Power status, System alert, LAN activity, Drive activity, System ID		
Drive Bays	Internal	3.5" hot swap	60 (Top-loading)
		2.5" hot swap	2 (15mm, rear)
		M.2	2 x M.2(NGFF)/M-Key/2280
Backplane	3 x 20-port 12G SAS backplanes with 28-PHY expander		
Expansion Slots	PCIe 3.0	<ul style="list-style-type: none"> • 2 x PCIe X16 slots (FHHL) • 3 x PCIe X8 slots (FHHL) 	

System BIOS	BIOS Type	Insyde UEFI 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 • SRIOV • iSCSI • TPM • PCIe Hotplug
On-board Devices	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) 	
	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



(Power supply and Server board are included.)

SB403-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	1600W 1+1 redundant power supply 80+ Platinum • AC Input 200-240V, 50/60Hz, 12A (except China/Taiwan) • AC Input 200-240V, 50/60Hz, 10A (for China/Taiwan)	
System Cooling	Middle	4 x 80x38mm hot swap fans
	Rear	2 x 60x38mm easy 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 : 47
		lbs : 103.6
Packaging Dimensions	(W x D x H)	mm : 603 x 1240 x 454
		inches : 23.7 x 48.8 x 17.9
Mounting	Standard	43" tool-less slide rail
	Option	Cable Management Kit

Ordering Information

SKU Number	Description
XP1-S403VG01	4U 60-bay storage server, 3x 20-port 12G EOB backplane, 2U 1600W HRP Platinum, 2x 7mm hot-swap OS, 2x 2.5" hot-swap OS, Virgo motherboard, Intel® Xeon® Scalable Processors, ATX PWR, DDR4 RDIMM x12, Intel PCH C624, 2x 10G SFP, 2x 10GbE SFI onboard connector (optional), SAS3008 IOC, EATX, 2x CPU heatsinks, 26" slide rail, w/o bezel
XP1-S403VG02	4U 60-bay storage server, 12G 20-port backplane x3, Acbel 1600W redundant power supply, Virgo motherboard, Intel Purley, ATX PWR, DDR4 RDIMM x12, Intel PCH C622, 2x 10G SFP+, SAS3008 IOC/EATX, 2x CPU heatsink, 26" slide rail, w/o bezel