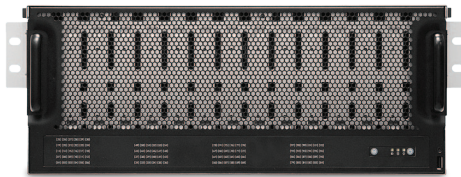




Front View



Features

- 4U ultra-density storage server supports 102 hot swap 3.5" SAS drive bays
- Supports 2nd Gen. Intel® Xeon® Scalable processors (Cascade Lake Refresh/Cascade Lake/Skylake)
- Flexible I/O usage with MAX I/O to support up to 1 OCP x16 Mezzanine card V2.0
- Onboard Baseboard Management Controller for system management and IPMI control
- Front-to-back airflow and hot swap redundant fans to provide optimal thermal conditions

Rear View

2000W 1+1 redundant power supply 80+ Platinum



8 x 60x56mm hot swap fans

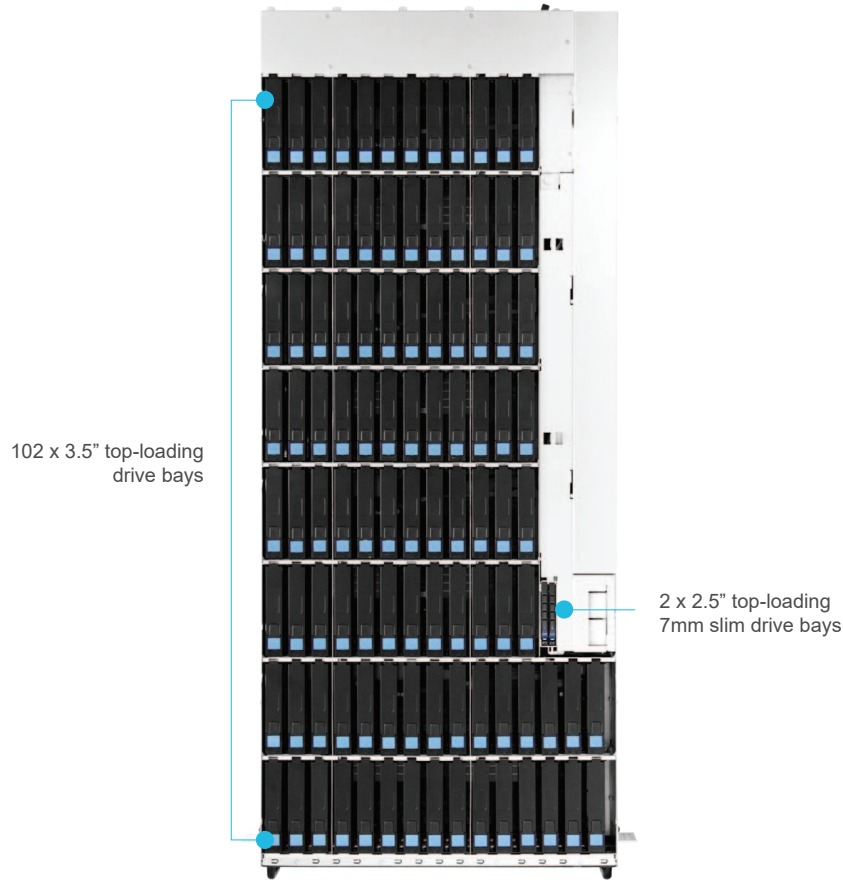
Specifications

Dimensions (W x D x H)	mm : 434 x 1050 x 176	
	inches : 17.1 x 41.3 x 7	
Motherboard	AIC Server Board Vela	
Processor	Processor Support	<ul style="list-style-type: none"> • Intel® Xeon® Scalable Processors (Cascade Lake Refresh/Cascade Lake/Skylake) • Support CPU TDP up to 150W <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, 2 channels with 2DPC + 4 channels with 1DPC • 16 x DIMM slots support: DDR4 2933/2666/2400MHz RDIMM/LRDIMM • Intel® Optane™ DC Persistent Memory (Apache Pass) support 	
Front Panel	System power on/off, System reset, 1 x USB 2.0 Type A	
LEDs	Power status, Drive activity, System ID	
Drive Bays	Internal	3.5" hot swap 102 (Top-Loading)
		2.5" hot swap 2 (7mm, Top-Loading)
		M.2 2 x M.2(NGFF) / M-Key / 2280 / Supports SATA or PCIe x2
Backplanes	<ul style="list-style-type: none"> • 3 x 24-port 12Gb SAS backplanes with 36-PHY expander and 2 x 8i SAS slimline connectors • 1 x 30-port 12Gb SAS backplane with 40-PHY expander and 2 x 8i SAS Slimline connectors 	

Expansion Slots	PCIe 3.0	<ul style="list-style-type: none"> • 2 x PCIe Gen3 slots x16 • 1 x OCP Mezz. V2.0 supports PCIe Gen3 x16 <i>*Please contact AIC Technical Support for more info/details about PCIe card and OCP card supporting.</i>
	BIOS Type	Insyde UEFI BIOS
System BIOS	BIOS Features	<ul style="list-style-type: none"> • ACPI • PXE • WOL • AC loss recovery • IPMI KCS interface • SMBIOS • Serial console redirection • BIOS Boot Specification • BIOS Recovery Mode • SRIOV • iSCSI • TPM
	SATA	<ul style="list-style-type: none"> • Intel® Lewisburg PCH on-chip solution • 2 x SATA 6.0 Gb/s (by 2 x SATA 7 pin) • 8 x SATA 6.0 Gb/s by edge slot for extension • RAID 0, 1, 5, 10 support by Intel RSTe
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"> • Via OCP Mezzanine card/PCIe slots extension • Realtek RTL8211E GbE Ethernet 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.)

SB405-VL

Rear I/O	LAN	1 x GbE RJ45 dedicated to BMC management
	USB	2 x USB 3.0 Type A connectors
	VGA	1 x external VGA port
	Serial Port	1 x external COM port by 3.5mm phone jack
TPM Support	2.0 onboard	
Power Supply	2000W 1+1 redundant power supply 80+ Platinum • AC Input 200-240V, 50/60Hz, 15A • Socket type: C20 (Power cord type: C19)	
System Cooling	• 3 x 40x56mm dual rotor fans (MB canister) • 8 x 60x56mm hot swap fans	

System Management	<ul style="list-style-type: none"> • IPMI 2.0 • KVM over IP • Media redirection • Temperature, fan, voltage, PSU sensor monitor • System temperature • System ID / System fail indicator 	<ul style="list-style-type: none"> • Remote power on/off/reset • SEL message alarm through mail • SNMP support • Intel NM • 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, Pallet)	kgs : 71 lbs : 143.7
Packaging Dimensions	(W x D x H)	mm : 643 x 1350 x 416 inches : 25.3 x 53.1 x 16.4
Mounting	Standard	41" tool-less slide rail
	Option	Cable Management Kit

Ordering Information

SKU Number	Description
XP1-S405VLXX	4U 102-bay, 12G EOB backplane, CRPS 2000W, Vela motherboard, Intel® Xeon® Scalable Processors, DDR4 RDIMM x16, Intel PCH C620 series, 2x PCIe x16 expansion slot, OCP MEZZ v2, 2x CPU heatsink, 41" slide rail, pallet, w/o bezel