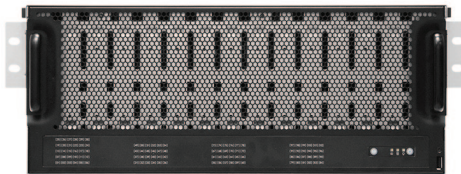




Front View



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)
- With Intel® Lewisburg C620 series chipset to provide 5+ years product life cycle
- Flexible I/O usage with MAX I/O to support up to 1 PCIe 3.0 card
- Onboard Baseboard Management Controller for system management and IPMI control
- Front-to-back airflow and hot swap redundant fans to provide optimal thermal conditions
- One PCIe 3.0 x16 OCP Mezzanine slot + two 10GbE SFP+ ports

Rear View

2000W 1+1 redundant power supply 80+ Platinum



8 x 60x56mm hot swap fans

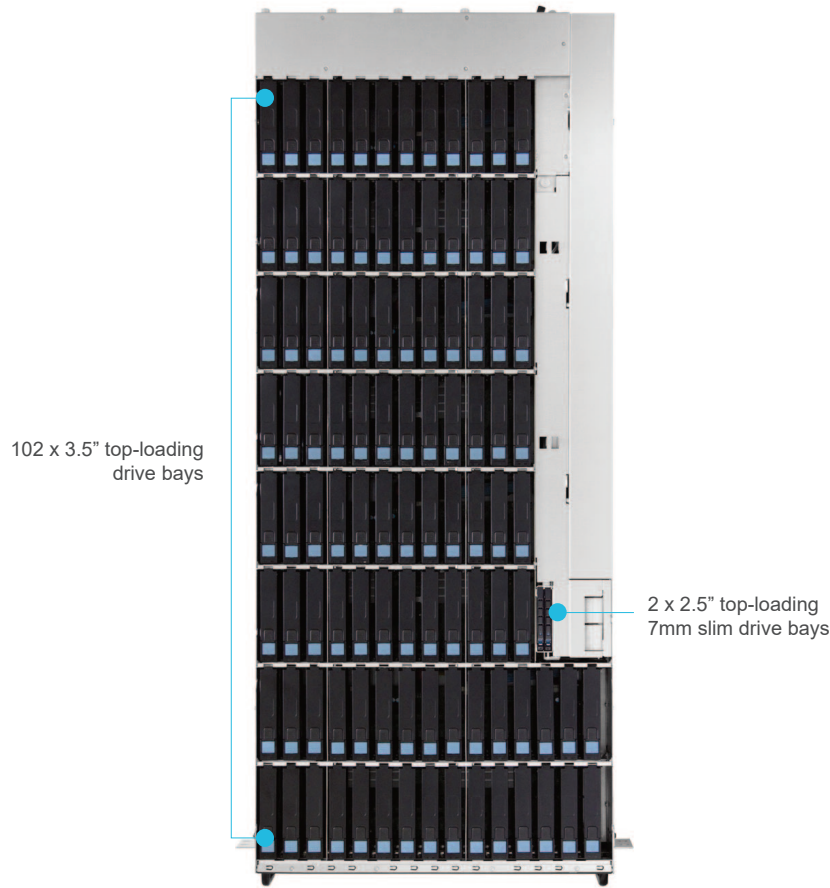
Specifications

Dimensions (W x D x H)	mm : 434 x 1050 x 176		
	inches : 17.1 x 41.3 x 7		
Motherboard	AIC Server Board Pavo		
Processor	Processor Support	<ul style="list-style-type: none"> • Intel® Xeon® Scalable Processors (Cascade Lake Refresh/Cascade Lake/Skylake) • Supports CPU TDP up to 125W <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 • 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)
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	1 x16 for OCP Mezzanine V2.0 (Type 2:1 1 x QSFP or 2 x QSFP+) <i>*Please contact AIC Technical Support for more info/details about OCP card.</i>
	BIOS Type	Insyde UEFI BIOS
System BIOS	BIOS Features	<ul style="list-style-type: none"> • ACP • PXE • WOL • AC loss recovery • SMBIOS • Serial console redirection • BIOS Boot Specification • BIOS Recovery Mode • SRIOV • iSCSI • TPM • PCIe Hotplug
	SATA/SAS	Intel® Lewisburg PCH on-chip solution <ul style="list-style-type: none"> • 4 x SATA 6.0 Gb/s (by 1 x mini-SAS HD) • 2 x SATA 6.0 Gb/s (by 2 x SATA 7 pin) • 5 x SATA 6.0 Gb/s (by MAX I/O)
On-board Devices	BMC	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 • HTML5 • Redfish
	Network Controllers	<ul style="list-style-type: none"> • Intel® PCH (Lewisburg) Integrated 10GbE LAN controller with dual SFP+ rear connectors • Intel® I350 dual-port GbE RJ45 rear connectors • Realtek RTL8211E 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



(Power supply and Server board are included.)

SB405-PV

Rear I/O	LAN	<ul style="list-style-type: none"> • 2 x 10GbE SFP+ • 2 x GbE RJ45 • 1 x GbE 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 audio jack for COM port
TPM Support	2.0 onboard	
Power Supply	2000W 1+1 redundant power supply 80+ Platinum <ul style="list-style-type: none"> • AC INPUT : 200~240V,50/60Hz,15A • Socket type: C20 (Power cord type: C19) 	
System Cooling	<ul style="list-style-type: none"> • 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 : 640 x 1380 x 526 inches : 25.2 x 54.3 x 20.7
Mounting	Standard	41" tool-less slide rail
	Option	Cable Management Kit

Ordering Information

SKU Number	Description
XP1-S405PVXX	4U 102-bay, 12G EOB backplane, CRPS 2000W, Pavo motherboard, Intel® Xeon® Scalable Processors, DDR4 RDIMM x16, Intel PCH C622, 2x 10G SFP, MAX I/O x64, OCP MEZZ v2, 2x CPU heatsink, 41" slide rail, w/o bezel