



Front View

12 x 3.5" hot swap drive bays



Features

- 2U 12-Bay storage server with SATA/SAS/NVMe drives support
- Supports dual 5th Gen Intel® Xeon® Scalable Processors (Emerald Rapids CPU)
- Supports dual 4th Gen Intel® Xeon® Scalable Processors (Sapphire Rapids CPU)
- Supports DDR5 RDIMM and PCIe Gen5 extensions
- Intel® C741 Chipset to provide 5+ years product life cycle
- Onboard Baseboard Management Controller for system management and IPMI control
- Dedicated BMC management port
- Front-to-back airflow and hot swap redundant fans to provide optimal thermal conditions

Rear View

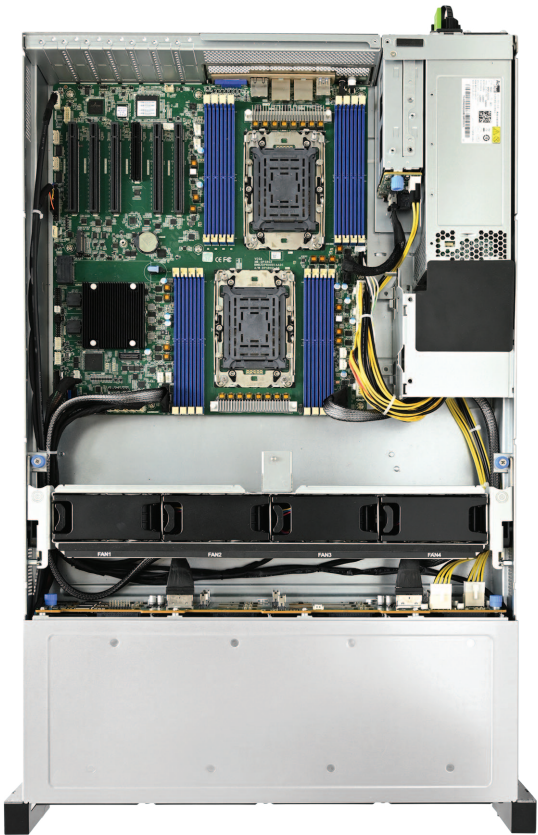


Specifications

Dimensions (W x D x H)	mm : 438 x 728 x 87		
	inches : 17.2 x 28.7 x 3.4		
Motherboard	AIC Server Board Vega		
Processor	Processor Support	• Supports dual 5th Gen Intel® Xeon® Scalable Processors (Emerald Rapids CPU) • Supports dual 4th Gen Intel® Xeon® Scalable Processors (Sapphire Rapids CPU) <i>*Please contact AIC Technical Support for more info/details about optimized CPUs and specialized system.</i>	
	CPU Interconnection	16/20GTs	
	Socket Type	Socket E1 (LGA-4677-X)	
Chipset Support	Intel® C741		
System Memory	• DDR5 5600/4800MHz RDIMM (1DPC) • Total 16 memory slots; 8 slots per CPU (1DPC) • Supports up to 4TB (3DS RDIMM)		
Front Panel	System power on/off, System ID, System reset, 2 x USB3.2 Gen1 ports, and VGA port (optional)		
LEDs	Power, ID, LAN 1, LAN 2, Drive, and Alert		
Drive Bays	External	3.5" hot swap	12 x NVMe/SATA/SAS (front)
		2.5" hot swap	2 x SATA (rear)
	Internal	2 x M.2/M-Key/2280 (PCIe Gen4)	
Backplane	Front	1 x 12-port 3.5" Gen4 Tri-mode	
	Rear	1 x 2-port 2.5" Tri-mode	

Expansion Slots	PCIe 5.0	• 5 x16 PCIe 5.0/CXL1.1 • 1 x8 PCIe 5.0/CXL1.1 • 2 M.2 2280-D5-M PCIe Gen4 x4 <i>*Different SKU may require additional cables and PCIe slot for retimer cards</i>
System BIOS	BIOS Type	AMI UEFI BIOS
	BIOS Features	• ACPI • PXE • WOL • AC loss recovery • IPMI 2.0 KCS mode interface • SRIOV • SMBIOS • TPM • Serial console redirection • PCIe hotplug
On-board Devices	SATA	Emmitsburg PCH on-chip solution • 2 x SATA3.0 (6 Gb/s) 7-pin connectors • 1 x Slimline connector (up to 8 SATA ports)
	IPMI	Aspeed AST2600 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 • HTML5 • Redfish
	Network Controllers	• Realtek RTL8211FS 1GbE for BMC dedicated management port • Broadcom BCM5720 dual port 1GbE (NCSI for share NIC)
	Graphics	• Integrated VGA support by ASPEED AST2600 • Resolution up to 1920x1200 @60Hz 32bpp

Top View



(Power supply and Server board are included.)

Rear I/O	LAN	• 1 x RJ45 GbE connector for BMC dedicate management port • 2 x RJ45 1GbE connectors
	USB	2 x USB3.2 Gen1 Type-A
	VGA	1 x DB-15 VGA connector
	Serial Port	1 x COM connector (Audio Jack)
Power Supply	1600W 1+1 redundant power supply 80+ Platinum/Titanium	
System Cooling	4 x 8038mm hot-swap fans (Air cooling)	

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	
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	
Packaging Dimensions	(W x D x H)	mm : 615 x 1060 x 328
		inches : 24.2 x 41.7 x 12.9
Mounting	Standard	36" tool-less slide rail

Ordering Information

SKU Number	Description
XP1-S202VA01	2U 4x NVMe(Gen4) + 8x 3.5"/2.5" SATA hot-swap (12-port 3.5"/2.5" PCIe Gen4 Tri-mode backplane), 2x 2.5" SATA hot-swap (rear), 4x 8038 fan, Acbel 1600W redundant power supply Titanium (C14 inlet), Vega motherboard, DDR5 RDIMM x16, 1x GbE dedicate IPMI, 5x PCIe x16 Gen5 (HHHL), 1x PCIe x8 Gen5 (HHHL), 2x CPU heatsink, 36" slide rail, w/o bezel
XP1-S202VA02	2U 12x NVMe (12-port 3.5"/2.5" PCIe Gen4 Tri-mode backplane), 2x 2.5" SATA hot-swap (rear), 4x 8038 fan, Acbel 1600W redundant power supply Titanium (C14 inlet), Vega motherboard, DDR5 RDIMM x16, 1x GbE dedicate IPMI, 3x PCIe x16 Gen5 (HHHL), 1x PCIe x8 Gen5 (HHHL), with 2x PCIe Gen5 x16 retimer card, 2x CPU heatsink, 36" slide rail, w/o bezel
XP1-S202VA03	2U 12x 3.5"/2.5" SAS/SATA hot-swap, 12-port EOB backplane, 2x 2.5" SATA hot-swap (rear), 4x 8038 fan, Acbel 1600W redundant power supply Titanium (C14 inlet), Vega motherboard, DDR5 RDIMM x16, 1x GbE dedicate IPMI, 5x PCIe x16 Gen5 (HHHL), 1x PCIe x8 Gen5 (HHHL), 2x CPU heatsink, 36" slide rail, w/o bezel