



Front View

4 x 3.5" hot swap drive bays



Features

- 1U general purpose storage server supports 4 hot swap 3.5"/2.5" universal SATA/SAS/NVMe U.2 drive bays
- Supports 3rd Gen Intel® Xeon® Scalable processors (codename Ice Lake)
- Onboard Baseboard Management Controller for system management and IPMI control
- Front-to-back airflow and hot swap redundant fans to provide optimal thermal conditions
- Dedicated BMC management port

Rear View

1 x GbE RJ45



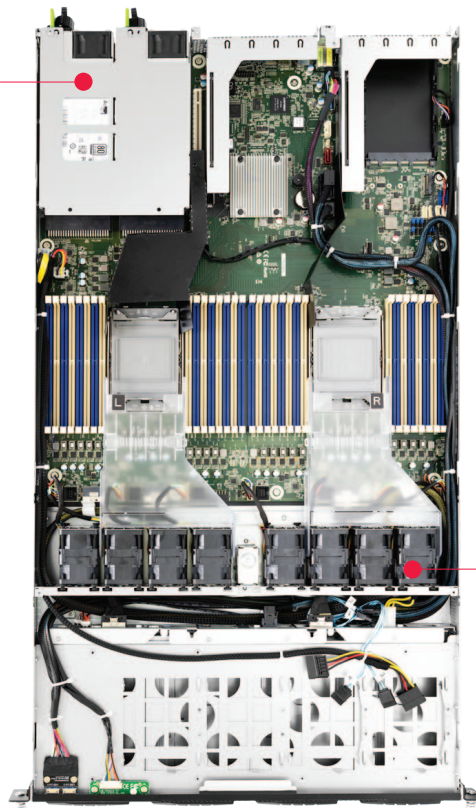
Specifications

Dimensions (W x D x H)	mm : 438 x 800 x 43.5		
	inches : 17.2 x 31.5 x 1.7		
Motherboard	AIC Server Board		
Processor	Processor Support	• 3rd Gen Intel® Xeon® Scalable Processors (Ice Lake) • Supports CPU TDP up to 270W* <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-4189 Socket)	
Chipset Support	Intel® C621A series PCH		
System Memory	• DDR4 3200/2933/2666/2400 (1DPC/2DPC) MHz • Total 16+16 DIMM slots (2DPC) • Up to 12TB 3DS ECC RDIMM/LRDIMM • Intel® Optane™ Persistent Memory 200 Series support		
Front Panel	• System power on/off • System reset • System ID • 2 x USB 3.2 Gen1 Type-A		
LEDs	• Power status • System alert • System ID		
Drive Bays	External	3.5"/2.5" hot swap	4 (SAS/SATA/NVMe)
	Internal	2.5" OS	2 (SATA)
		M.2	1 x M.2(NGFF)/M-Key/2280 (SATA/PCIe)
Backplane	1 x 4-port SATA/SAS/NVMe backplane with 1 x SFF-8643 + 2 x SFF-8654 (Slimline 8i) connectors		
Expansion Slots	PCIe 4.0	• 2 x16 FHHL • 1 x16 OCP 3.0	

Riser Card (included)	RC-PE1U02-Z2	1 x16 PCIe slot
System BIOS	BIOS Type	AMI UEFI BIOS
	BIOS Features	• ACPI • PXE • AC loss recovery • IPMI KCS interface • SMBIOS • Serial console redirection • BIOS boot specification • BIOS recovery mode
On-board Devices	SATA	Intel® C621A PCH on-chip solution • 14 x SATA 6.0 Gb/s (3 Mini-SAS HD, SATA DOM, SATA DOM or M.2) • RAID 0, 1, 5, 10 support by Intel® RSTe
	IPMI	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	Networking options provided via OCP Mezzanine extension
	Graphics	Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor • PCIe VGA/2D Controller • 1920x1200@60Hz 32bpp

Top View

800W/1200W 1+1 redundant power supply 80+ Platinum



8 x 40x56mm easy swap fans

(Power supply and Server board are included.)

Rear I/O	LAN	1 x GbE RJ45 dedicated to BMC management
	USB	2 x USB 3.0 Type-A in double-stack connectors
	Video Output	1 x external DB-15 VGA port
	Serial Port	1 x RS-232 connector
Power Supply	800W/1200W 1+1 redundant power supply 80+ Platinum • AC INPUT : 100~240V,50/60Hz,7-3.5A	
System Cooling	8 x 40x56mm easy swap fans	
System Management	• IPMI : 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	

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	
Gross Weight	(w/ PSU & Rail)	kgs : 20 lbs : 44
Packaging Dimensions	(W x D x H)	mm : 615 x 1135 x 273 inches : 24.2 x 44.7 x 10.7
Mounting	Standard	28" tool-less slide rail

Ordering Information

SKU Number	Description
XP1-S101A601	1U 4x 3.5"/2.5" Tri-mode hot-swap, 2x 2.5" 9mm SATA internal, 8x 4056 fan, Acbel 800W redundant power supply Platinum, A6 motherboard, DDR4 RDIMM x32, Intel® PCH C621A, WATX, dedicated 1GbE BMC, AST2500, 2x PCIe x16 Gen4, 1x OCP 3.0 x16 Gen4, 2x CPU heatsink (195W), 28" slide rail, w/o bezel
XP1-S101A602	1U 4x 3.5"/2.5" Tri-mode hot-swap, 2x 2.5" 9mm SATA internal, 8x 4056 fan, Acbel 1200W redundant power supply Platinum, A6 motherboard, DDR4 RDIMM x32, Intel® PCH C621A, WATX, dedicated 1GbE BMC, AST2500, 2x PCIe x16 Gen4, 1x OCP 3.0 x16 Gen4, 2x CPU heatsink (270W), 28" slide rail, w/o bezel