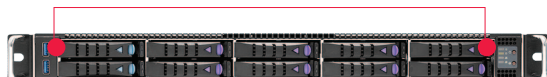




Front View

10 x 2.5" hot swap drive bays



Features

- Supports 3rd Gen Intel® Xeon® Scalable Processors for highest server performance and improved power efficiency
- Supports 16 DDR4 DIMM slots for maximum memory performance
- Supports up to 2 x16 lanes, 4 slimline x8, 1 OCP 3.0 of PCIe Gen4 expansions
- Onboard Baseboard Management Controller for system management and IPMI control
- Embedded components for 5+ year long life

Rear View

2 x PCIe Gen4 X16



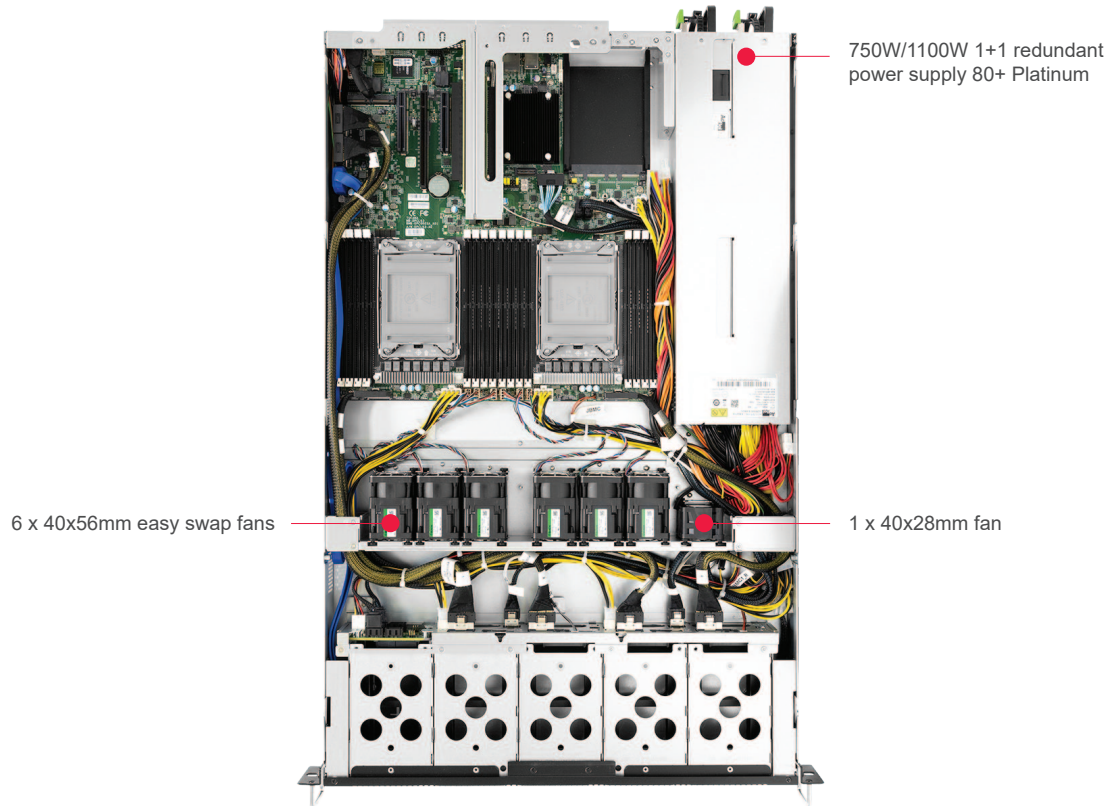
1 x PCIe Gen4 X16 OCP

Specifications

Dimensions (W x D x H)	mm : 438 x 678.7 x 43.5		
	inches : 17.2 x 26.7 x 1.7		
Motherboard	AIC Server Board Tucana		
Processor	Processor Support	3rd Gen Intel® Xeon® Scalable Processors (Ice Lake) <i>*Please contact AIC Technical Support for more info/details about optimized CPUs and specialized system.</i>	
	UPI Speeds	10.4 / 11.2 GT/s	
	Socket Type	Socket P+ (LGA-4189)	
Chipset Support	Intel® C621A Chipset		
System Memory	• 8 x memory channels per CPU (1DPC) • 16 x DIMM slots support: DDR4 3200/2933MHz RDIMM/LRDIMM - up to 512GB RDIMM SRx4 (16Gb) - up to 1024GB RDIMM DRx4 (16Gb) - up to 4096GB RDIMM 3DS 8Rx4 (16Gb) - up to 2048GB LRDIMM QRx4 (16Gb) - up to 4096GB LRDIMM 3DS 8Rx4 (16Gb) • Intel® Optane™ DC Persistent Memory (Barlow Pass) support		
Front Panel	System power on/off, System reset and 2 x USB 3.0 Type-A		
LEDs	Power status, HDD activity, LAN activity and Warning		
Drive Bays	External	2.5" hot swap	2 x (6G SATA or PCIe Gen4 NVMe) + 8 x (6G SATA/12G SAS*/PCIe Gen4 NVMe) <i>*Additional SAS HBA/RAID card required to support. Supported drives will be different according to the four backplane options.</i>
	Internal	M.2	2 x M.2(NGFF)/M-Key/2280

Expansion Slots	PCIe 4.0	CPU0: 2 x PCIe Gen4 x16 slots (HHHL; one with FH I/O bracket) + 1 x OCP V3.0
System BIOS	BIOS Type	AMI UEFI BIOS
	BIOS Features	• ACPI • PXE • AC loss recovery • IPMI KCS interface • SMBIOS • Serial console redirection • SRIOV • TPM • PCIe hotplug
On-board Devices	SATA	Lewisburg-R PCH on-chip solution supports 10 x SATA 6.0 Gb/s • 2 x SATA 7-pin • 8 x SATA by Slimline (supports both SATA/PCIe by PCH HSIO)
	Network Controllers	• Realtek RTL8211E GbE for BMC dedicated management port • Intel® I210 GbE for BMC shared NIC management port by onboard connector (NCSS shared NIC - reserved for OCP V3.0)
	Graphics	Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor • PCIe VGA/2D Controller • 1920x1200@60Hz 32bpp

Top View



(Power supply and Server board are included.)

Rear I/O	LAN	• 1 x GbE RJ45 • 1 x GbE RJ45 dedicated to BMC management
	USB	2 x USB 3.0 double-stack Type-A connectors
	Video Output	1 x VGA DB15
	Serial Port	1 x external COM port phone jack
TPM Support	2.0 onboard	
Power Supply	750W/1100W 1+1 redundant power supply 80+ Platinum	
System Cooling	• 6 x 40x56mm easy swap fans • 1 x 40x28mm fan	

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 1025 x 274
		inches : 24 x 40 x 10.8
Mounting	Standard	28" tool-less slide rail

Ordering Information

SKU Number	Description
XP1-S102TU01	1U 10-bay 2.5" hot-swap, 2x 12G 4-port backplane, 1x 2-port SATA backplane, 6x 4056 & 1x 4028 fan, Acbel 750W redundant power supply Platinum, Tucana motherboard, Intel Lewisburg, DDR4 RDIMM x16, Intel PCH C621A, 1x GbE dedicate IPMI, 2x PCIe x16 Gen4 (HHHL), 1x OCP 3.0 x16 Gen4, EATX, 2x CPU heatsink, 28 slide rail, riser card x2, w/o bezel, w/o power cord, 195W CPU TDP
XP1-S102TU03	1U 10-bay 2.5" hot-swap, 2x tri-mode 4-port backplane, 1x 2-port SATA backplane, 6x 4056 & 1x 4028 fan, Acbel 750W redundant power supply Platinum, Tucana motherboard, Intel Lewisburg, DDR4 RDIMM x16, Intel PCH C621A, 1x GbE dedicate IPMI, 2x PCIe x16 Gen4 (HHHL), 1x OCP 3.0 x16 Gen4, EATX, 2x CPU heatsink, 28 slide rail, riser card x2, w/o bezel, w/o power cord, 195W CPU TDP
XP1-S102TU05	1U 10-bay 2.5" hot-swap, 2x tri-mode 4-port backplane, 1x 2-port SATA backplane, 6x 4056 (270W CPU TDP) & 1x 4028 fan, 3Y 1100W redundant power supply Platinum, Tucana motherboard, Intel Lewisburg, DDR4 RDIMM x16, Intel PCH C621A, 1x GbE dedicate IPMI, 2x PCIe x16 Gen4 (HHHL), 1x OCP 3.0 x16 Gen4, EATX, 2x CPU heatsink, 28 slide rail, riser card x2, w/o bezel, w/o power cord, 270W CPU TDP