



Front View

4 x 3.5" 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

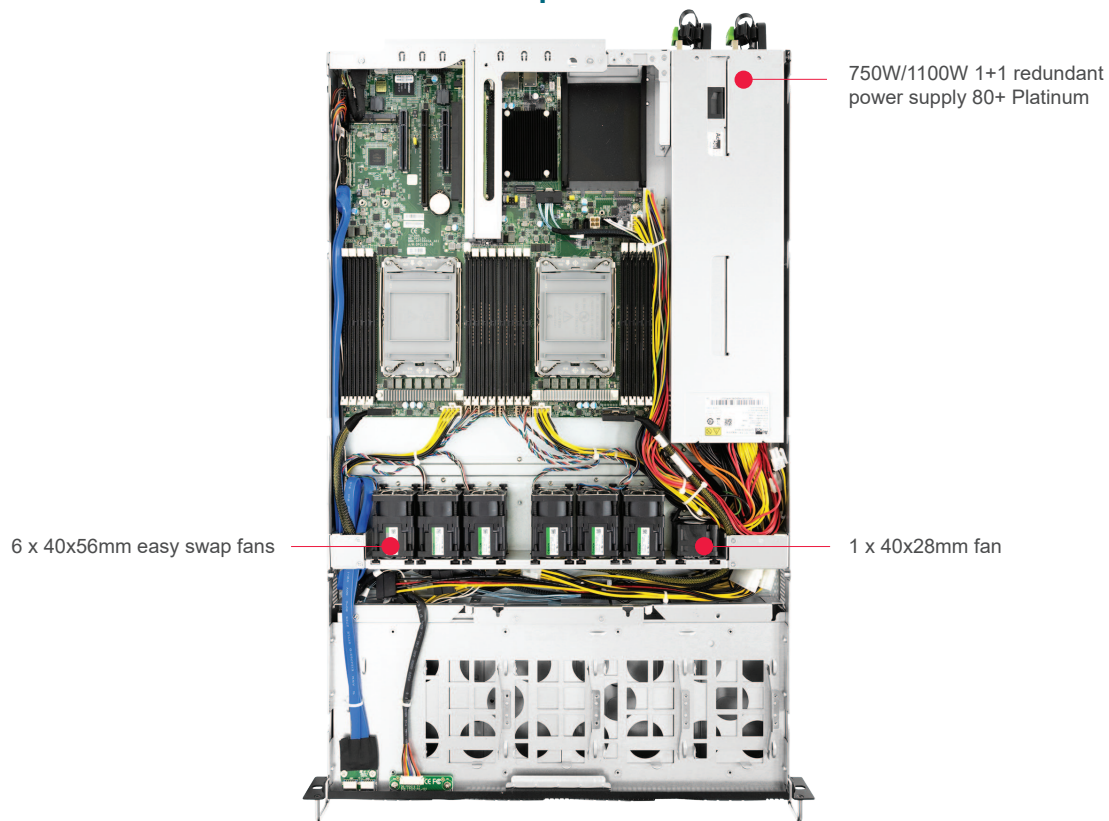


Specifications

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) • Supports CPU TDP up to 270W* <i>*Please contact AIC Technical Support for more info/details about optimized CPUs and specialized system.</i>	
	CPU Interconnection	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, System ID and 2 x USB 3.0 Type-A		
LEDs	Power status, System ID, HDD activity, LAN activity and Warning		
Drive Bays	External	3.5"/2.5" hot swap	4 (SAS/SATA/NVMe)
	Internal	2.5" OS	2 (SATA)
		M.2	2 x M.2(NGFF)/M-Key/2280
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	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 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)
	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	• Realtek RTL8211E GbE for BMC dedicated management port • Intel® I210 GbE for BMC shared NIC management port by onboard connector (NCSE 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-S101TU01	1U 4x 3.5"/2.5" SAS/SATA hot-swap, 2x 2.5" 7mm SATA internal, 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 (195W), 28" slide rail, w/o bezel
XP1-S101TU02	1U 4x 3.5"/2.5" tri-mode hot-swap, 2x 2.5" 7mm SATA internal, 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 (195W), 28" slide rail, w/o bezel
XP1-S101TU04	1U 4x 3.5"/2.5" tri-mode hot-swap, 2x 2.5" 7mm NVMe internal, 6x 4056 & 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 (270W), 28" slide rail, w/o bezel