



Front View

12 x 3.5" hot swap drive bays



Rear View

Supports up to 5 x PCIe 4.0 slots



OCP 3.0

Specifications

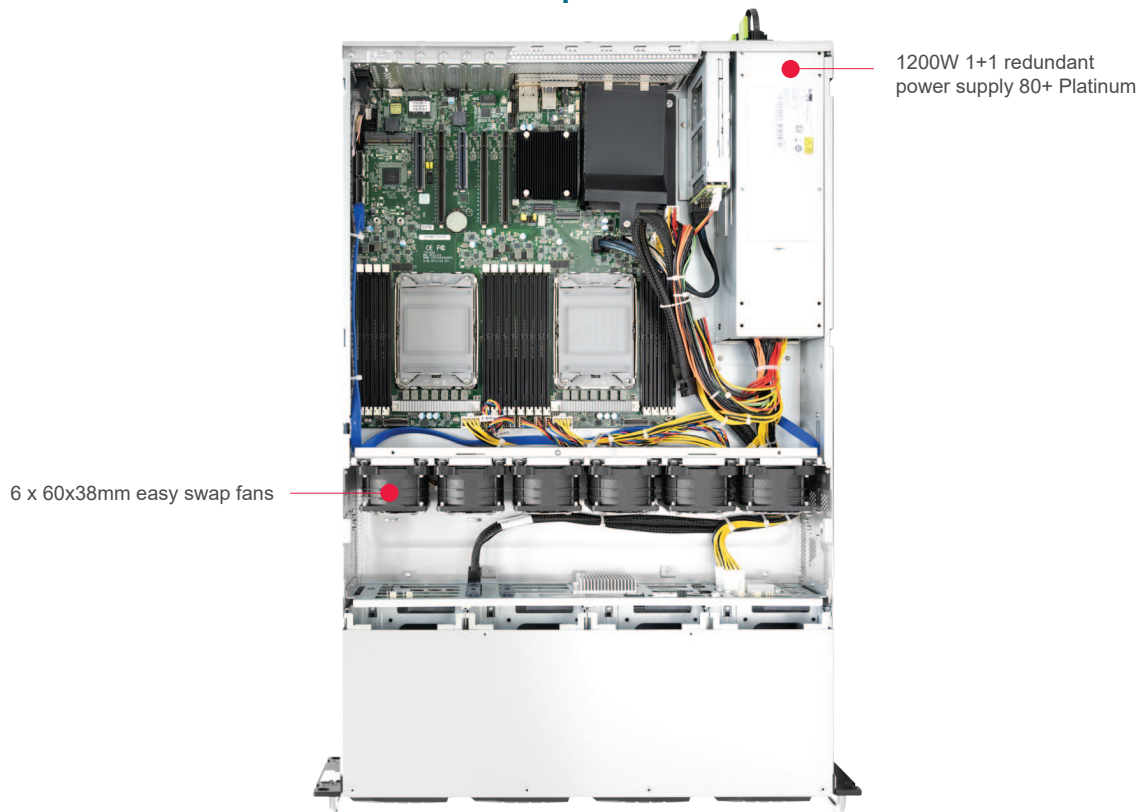
Dimensions (W x D x H)	mm : 430 x 680 x 88.2		
	inches : 17 x 26.8 x 3.5		
Motherboard	AIC Server Board Tucana		
Processor	Processor Support	• 3rd Gen Intel® Xeon® Scalable Processors (Ice Lake) • Supports CPU TDP up to 270W <i>*Use over 165W CPU, please contact AIC Technical Support for more info/details about optimized CPUs and specialized system.</i>	
	QPI Speeds	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 ID, System reset, 1 x USB 3.0 Type-A		
LEDs	Power status, System alert, LAN activity, Drive activity, System ID		
Drive Bays	External	3.5" hot swap	12 (SAS/SATA/NVMe)
		2.5" hot swap	2 (SATA, rear)
	Internal	M.2	2 x M.2(NGFF)/M-Key/2280
Backplane	Options	• SKU1: 1 x 12-port 12Gb SAS 28-PHY expander backplane • SKU2: 2 x 4-port 12G SAS backplane + 1 x 4-port 12G SAS / PCIe Gen4 NVMe Tri-mode backplane • SKU3: 2 x 4-port 12G SAS / PCIe Gen4 NVMe Tri-mode backplane + 1 x 4-port 12G SAS backplane • SKU4: 3 x 4-port 12G SAS / PCIe Gen4 NVMe Tri-mode backplane <i>(Additional Tri-mode/PCIe Switch/Retimer card required)</i>	

Features

- 2U 12-Bay storage server with SATA/SAS3/NVMe drives support
- Supports 3rd Gen Intel® Xeon® Scalable processors (Ice Lake)
- Intel® C621A 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

Expansion Slots	PCIe 4.0	• 3 x PCIe X16 slots (HHHL) + 1 x OCP 3.0 • 2 x PCIe X8 slots (HHHL)
	BIOS Type	• AMI UEFI BIOS • SPI (Serial Peripheral Interface) FLASH Interface
System BIOS	BIOS Features	• ACPI • PXE • WOL • AC loss recovery • IPMI 2.0 KCS interface • SMBIOS • Serial console redirection • BIOS boot specification • BIOS recovery mode • SRIOV • iSCSI • TPM • PCIe NTB
On-board Devices	SATA / SAS	Intel® C621A PCH on-chip solution • 8 x SATA 6.0 Gb/s (by 2 x Mini-SAS) • 2 x SATA 6.0 Gb/s (by 2 x SATA 7-pin) Optional SAS 3008/3108 modules (on OCP)
	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
	Network Controllers	• Realtek RTL8211E GbE for BMC dedicated management port • Intel® I210 GbE for BMC shared NIC management port by onboard connector (NCSI 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 Type-A
	Video Output	1 x external DB-15 VGA port
	Serial Port	1 x external COM port phone jack
Power Supply	1200W 1+1 redundant power supply 80+ Platinum • AC INPUT : 100~240V,50/60Hz,10-5A	
System Cooling	6 x 60x38mm easy swap fans	
System Management	• IPMI 2.0 • KVM over IP • Media redirection • Temperature, fan, voltage, PSU sensor monitor • System temperature	

System Management	• System ID / System fail indicator • Remote power on/off/reset • SEL message alarm through mail • SNMP support • Intel NM	
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 : 26
		lbs : 57.3
Packaging Dimensions	(W x D x H)	mm : 605 x 920 x 322
		inches : 23.8 x 36.2 x 12.7
Mounting	Standard	28" tool-less slide rail

Ordering Information

SKU Number	Description
XP1-S202TU01	2U 12x 3.5"/2.5" SAS/SATA hot-swap (EOB BP), 2x 2.5" 7mm SATA hot-swap, 6x 6038 fan, Acbel 1200W redundant power supply Platinum, Tucana motherboard, Intel® Lewisburg, DDR4 RDIMM x16, Intel® PCH C621A, 1x GbE dedicate IPMI, 3x PCIe x16 HHHL Gen4, 2x PCIe x8 HHHL Gen4, 1x OCP 3.0 x16 Gen4, EATX, 2x CPU heatsink (195W), 28" slide rail, w/o bezel
XP1-S202TU02	2U 4x 3.5"/2.5" NVMe/SAS/SATA + 8x 3.5"/2.5" SAS/SATA hot-swap (Passive BP), 2x 2.5" 7mm SATA hot-swap, 6x 6038 fan, Acbel 1200W redundant power supply Platinum, Tucana motherboard, Intel® Lewisburg, DDR4 RDIMM x16, Intel® PCH C621A, 1x GbE dedicate IPMI, 3x PCIe x16 HHHL Gen4, 2x PCIe x8 HHHL Gen4, EATX, 2x CPU heatsink (195W), 28" slide rail, w/o bezel
XP1-S202TU03	2U 8x 3.5"/2.5" NVMe/SAS/SATA + 4x 3.5"/2.5" SAS/SATA hot-swap (Passive BP), 2x 2.5" 7mm SATA hot-swap, 6x 6038 fan, Acbel 1200W redundant power supply Platinum, Tucana motherboard, Intel® Lewisburg, DDR4 RDIMM x16, Intel® PCH C621A, 1x GbE dedicate IPMI, 3x PCIe x16 HHHL Gen4, 2x PCIe x8 HHHL Gen4, 1x OCP 3.0 x16 Gen4, EATX, 2x CPU heatsink (195W), 28" slide rail, w/o bezel
XP1-S202TU04	2U 12x 3.5"/2.5" tri-mode (Passive BP), 2x 2.5" 7mm SATA hot-swap, 6x 6038 fan, Acbel 1200W redundant power supply Platinum, Tucana motherboard, Intel® Lewisburg, DDR4 RDIMM x16, Intel® PCH C621A, 1x GbE dedicate IPMI, 2x PCIe x16 HHHL Gen4, 2x PCIe x8 HHHL Gen4, 1x OCP 3.0 x16 Gen4, EATX, 2x CPU heatsink (270W), with 1x PCIe Gen4 x16 retimer card, 28" slide rail, w/o bezel