

Preliminary



Features

- Flexible front I/O and rear I/O application options
- 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 easy swap redundant fans to provide optimal thermal conditions
- Short-depth design for space critical applications
- Supports 2 post or 4 post rack deployment

Front View



Rear View



Specifications

Dimensions (W x D x H)	mm : 438 x 450 x 88		
	inches : 17.2 x 17.7 x 3.5		
Motherboard	AIC Server Board Tucana		
Processor	Processor Support	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 8 x memory channels per CPU, 1 x DIMM per channel • 16 x DIMM slots support: DDR4 REG ECC 3200/2933/2666 		
Front Panel	System power on/off, System ID, System reset, 2 x USB 3.0 Type A		
LEDs	Power status, System alert, LAN activity, Drive activity, System ID		
Drive Bays	External	2.5" hot swap	4 x SATA/SAS3/NVMe (15mm, front)
	Internal	M.2	2 x M.2(NGFF)/M-Key/2280
Backplane	Options	<ul style="list-style-type: none"> • 2 x 2-port SAS3/PCIe Gen4 trimode backplane • 2 x 2-port SAS3 backplane 	
Expansion Slots	PCIe 4.0	Standard	<ul style="list-style-type: none"> • 1 x PCIe x16 slots (FHHL) - optional double deck FHFL <i>*Please contact AIC Technical Support for more info/details</i> • 1 x PCIe x8 slots (HHHL) • 1 x OCP 3.0 PCIe x16
		Optional	7 low profile

System BIOS	BIOS Type	<ul style="list-style-type: none"> • AMI UEFI BIOS • SPI (Serial Peripheral Interface) FLASH Interface
	BIOS Features	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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 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	800W 1+1 redundant power supply 80+ Platinum • AC INPUT : 100~240V,50/60Hz,10-5A	
System Cooling	4 x 60x38mm easy swap fans	
System Management	<ul style="list-style-type: none"> • IPMI 2.0 • KVM over IP • Media redirection • Temperature, fan, voltage, PSU sensor monitor • System temperature • SNMP support 	<ul style="list-style-type: none"> • System ID / System fail indicator • Remote power on/off/reset • SEL message alarm through mail • Intel NM

Environmental Specifications	<ul style="list-style-type: none"> • 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 : 18 lbs : 39.7
Packaging Dimensions	(W x D x H)	mm : 655 x 580 x 244 inches : 25.8 x 22.8 x 9.6
Mounting	Standard	20" tool-less slide rail