



#### Dimensions

mm : 172.7 x 485.5  
inches : 6.8 x 19.2



The Pavo server board offers the latest Intel® Xeon® Scalable Processors technology solutions with compelling performance and provides premium power efficiency, which is optimized for efficient performance platforms (storage, security and communications infrastructure).

By implementing Intel® Xeon® Scalable Processors, fully integrated microarchitecture with AIC MAX I/O™ 2.0, which support up to 64 lanes of PCIe Gen3, Pavo server board can maximize your I/O intensive application demand, providing six channels per CPU with total sixteen DIMM slots deployment which can support up to DDR4 2400/2666MHz.

Featured with ground breaking technologies including Intel® Next Generation Microarchitecture and Instruction Set (AVX-512, VMD, QAT - optional by PCH SKU), Speed Shift Technology, UPI link speeds up to 10.4GT/s, the Pavo server board enable next generation server solutions with an incredible leap in performance.

#### Features :

- Supports Intel® Xeon® Scalable Processors for highest server performance and improved power efficiency
- Supports 16 DDR4 DIMM slots for maximum memory performance
- AIC Max I/O™ supports 64 PCIe Gen3 lanes
- Supports one OCP Mezzanine V2.0 up to PCIe Gen3 x16 extension
- Onboard dual 10GbE SFP+ ports by Intel® Lewisburg PCH and dual GbE ports by Intel® Ethernet Controller I350
- Onboard Baseboard Management Controller for system management and IPMI control
- Embedded components for 5+ year long life
- Rackmount Technology Extension (RTX) form factor utilizes full internal chassis volume for optimum I/O configurations

## SPECIFICATIONS

System	Processor Support	Intel® Xeon® Scalable Processors (Platinum, Gold, Silver, Bronze)
	UPI Speeds	9.6 GT/s, 10.4 GT/s
	Socket Type	Socket P0 (LGA-3647 Socket)
	System Memory	<ul style="list-style-type: none"> <li>• DDR4 2400/2666 (1DPC/2DPC) MHz</li> <li>• Total 16 memory slots; 6 channel per CPU (4 x 1DPC + 2 x 2DPC per CPU)</li> </ul>
	Expansion Slots	<ul style="list-style-type: none"> <li>• 1 x AIC Max I/O™ supports: PCIe Gen3 total 64 lanes + 5 x SATA + 1 x USB 2.0</li> <li>• 1 x OCP Mezzanine V2.0 support PCIe Gen3 x16</li> </ul>
System BIOS	BIOS Type	Insyde UEFI BIOS
	BIOS Features	<ul style="list-style-type: none"> <li>• ACPI</li> <li>• PXE</li> <li>• WOL</li> <li>• AC loss recovery</li> <li>• IPMI KCS interface</li> <li>• SMBIOS</li> <li>• Serial console redirection</li> <li>• BIOS boot specification</li> <li>• BIOS recovery mode</li> <li>• SRIOV</li> </ul>
On-board Devices	SATA	Intel® Lewisburg PCH on-chip solution • 4 x SATA 6.0 Gb/s (by 1 x mini-SAS HD) + 2 x SATA 6.0 Gb/s (by 2 x SATA 7 pin) • 5 x SATA 6.0 Gb/s by Max I/O; one of Max I/O SATA port share with one of SATA in mini-SAS HD
	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

On-board Devices	Network Controller	<ul style="list-style-type: none"> <li>• Intel® PCH (Lewisburg) Integrated 10GbE LAN Controller with dual SFP+ rear connectors</li> <li>• Intel® I350 dual ports RJ45 rear connectors</li> <li>• Realtek RTL8211E for BMC dedicate management port</li> </ul>
	Graphics	Aspeed AST2500 Advanced PCIe Graphics & Remote Management Processor • PCIe VGA/2D Controller • 1920x1200@60Hz 32bpp
Input/Output	Serial ATA	10 x SATA 6.0 Gb/s ports • 4 x SATA 6.0 Gb/s (by 1 x mini-SAS HD) • 2 x SATA 6.0 Gb/s (by 2 x SATA 7 pin) • 5 x SATA 6.0 Gb/s by Max I/O; one of Max I/O™ SATA port share with one of SATA in mini-SAS HD
	LAN	<ul style="list-style-type: none"> <li>• 2 x 10G SFP+</li> <li>• 2 x GbE RJ45</li> <li>• 1 x GbE RJ45 dedicated to BMC management</li> </ul>
	USB	<ul style="list-style-type: none"> <li>• 2 x USB 3.0 Type-A connectors</li> <li>• 1 x USB internal pin-header to support 2 x USB 3.0/2.0</li> <li>• 1 x USB internal pin-header to support 2 x USB 2.0</li> </ul>
	VGA	<ul style="list-style-type: none"> <li>• 1 x external VGA port</li> <li>• 1 x internal VGA pin-header (share with external VGA port)</li> </ul>
	Serial Port	<ul style="list-style-type: none"> <li>• 1 x external Audio Jack for COM port</li> <li>• 2 x internal COM pin-headers</li> </ul>
	Other	<ul style="list-style-type: none"> <li>• 1 x TPM 2.0 onboard</li> </ul>