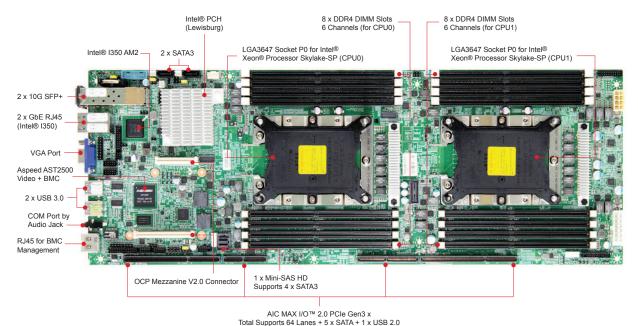
PAVO





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 PCle 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

0. 20. 10/110/10		
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	DDR4 2400/2666 (1DPC/2DPC) MHz Total 16 memory slots; 6 channel per CPU (4 x 1DPC + 2 x 2DPC per CPU)
	Expansion Slots	1 x AIC Max I/O™ supports: PCIe Gen3 total 64 lanes + 5 x SATA + 1 x USB 2.0 1 x OCP Mezzanine V2.0 support PCIe Gen3 x16
System BIOS	BIOS Type	Insyde UEFI BIOS
	BIOS Features	• ACPI • PXE • WOL • AC loss recovery • IPMI KCS interface • SMBIOS • Serial console redirection • BIOS boot specification • BIOS recovery mode • SRIOV
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) KVM, Media Redirection, IPMI over LAN, Serial over LAN SMASH Support HTML5 Redfish

On-board Devices	Network Controller	Intel® PCH (Lewisburg) Integrated 10GbE LAN Controller with dual SFP+ rear connectors Intel® I350 dual ports RJ45 rear connectors Realtek RTL8211E for BMC dedicate management port
	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	2 x 10G SFP+ 2 x GbE RJ45 1 x GbE RJ45 dedicated to BMC management
	USB	2 x USB 3.0 Type-A connectors 1 x USB internal pin-header to support 2 x USB 3.0/2.0 1 x USB internal pin-header to support 2 x USB 2.0
	VGA	1 x external VGA port 1 x internal VGA pin-header (share with external VGA port)
	Serial Port	1 x external Audio Jack for COM port 2 x internal COM pin-headers
	Other	• 1 x TPM 2.0 onboard