



Dimensions

mm : 424.18 x 431.8
 inches : 16.7 x 17



The Lynx 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 96 lanes of PCIe Gen3, Lynx server board can maximize your I/O intensive application demand, providing six channels per CPU with total twenty-four 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 Lynx 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 24 DDR4 DIMM slots for maximum memory performance
- AIC Max I/O™ supports up to 96 PCIe Gen3 lanes (48 lanes from CPU0 + 48 lanes from CPU1); both 16 lanes will be shared with OCP Mezzanine V2.0
- Supports two OCP Mezzanine V2.0 up to PCIe Gen3 x16 extension (shared from Max I/O™)
- Onboard dual GbE ports come from 2 x Intel® Ethernet Controller I210
- Supports two CRPS PSU direct connection for power input
- Onboard Baseboard Management Controller for system management and IPMI control
- Embedded components for 5+ year long life

SPECIFICATIONS

System	Processor Support	<ul style="list-style-type: none"> • Intel® Xeon® Scalable Processors (Platinum, Gold, Silver, Bronze) • Support Intel® Storm Lake 100Gbps Host Fabric Interface, Skylake-F SKU CPU
	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"> • DDR4 2400/2666 (2DPC) MHz • Total 24 memory slots; • 6 channel per CPU (2DPC) • Up to 3TB 3DS ECC RDIMM/LRDIMM
Expansion Slots	<p>2 x AIC Max I/O™ support: PCIe Gen3 total 96 lanes; (each 48 lanes from CPU0 & CPU1)</p> <ul style="list-style-type: none"> • 2 x OCP Mezzanine V2.0 support PCIe Gen3 \ x16 (share with Max I/O™) • One of OCP Mezzanine supports KR (optional by PCH C624 SKU), as 10GbE (KR/SFI/XFI) or 1GbE (KX) 	
System BIOS	BIOS Type	Insyde UEFI BIOS
	BIOS Features	<ul style="list-style-type: none"> • ACPI • PXE • WOL • AC loss recovery • IPMI KCS interface • SMBIOS • Serial console redirection • BIOS Boot Specification • BIOS Recovery Mode • SRIOV

On-board Devices	SATA	<ul style="list-style-type: none"> • Intel® Lewisburg PCH on-chip solution • 10 x SATA 6.0 Gb/s
	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 • HTML5 • Redfish
	Network Controller	<ul style="list-style-type: none"> • Two Intel I210 Ethernet Controller support dual port GbE RJ45 connectors • Networking options provided via OCP Mezzanine extension • Realtek RTL8201E for BMC dedicate management port
	Graphics	<ul style="list-style-type: none"> • 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
	LAN	<ul style="list-style-type: none"> • 2 x GbE RJ45 • 1 x GbE RJ45 dedicated to BMC management
	USB	<ul style="list-style-type: none"> • 2 x USB 3.0 Type-A connectors • 2 x USB internal pin-header to support 4 x USB 3.0/2.0 • 1 x USB internal pin-header to support 2 x USB 2.0
	VGA	<ul style="list-style-type: none"> • 1 x external VGA port • 1 x internal VGA pin-header (share with external VGA port)
	Serial Port	<ul style="list-style-type: none"> • 1 x external Micro-USB type B for COM port • 2 x internal COM pin-headers
	Others	<ul style="list-style-type: none"> • 2 x NGFF (M.2) support PCIe Gen3 x2 / SATA • 1 x TPM 2.0 onboard