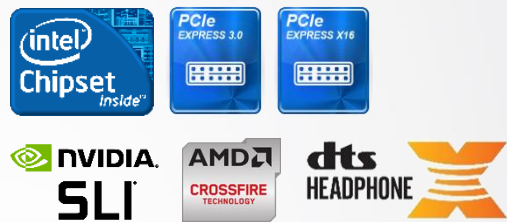


Pro WS C621-64L SAGE Series



Perfect Expansion & Transmission Capability



Pro WS C621-64L SAGE Pro WS C621-64L SAGE/10G

HIGHLIGHTS

- Support latest Intel Xeon W-3200 & Xeon Scalable processors
- Total 12 DIMM slots for even hardware-intensive programs to run at brisk pace
- Diverse GPU support, up to four PCIe 3.0 x16 links from CPU lanes directly
- Support server-class 2 x 10GbE LAN ports with Intel X550 controller (by SKU)
- IPMI/BMC (by SKU)
- Next-gen transfer speeds with 10Gbps USB 3.2 Gen2 Type-A and Type-C connections
- ASUS SafeSlot technology employs an insert-molding process to integrate with fortifying metal framing for a stronger, firmly anchored PCIe slot built for heavyweight GPUs
- An ultra-efficient heatsink to reduce M.2 NVMe SSD module's temperature for optimal storage performance and improved SSD longevity.

ASUS Pro Workstation motherboards are designed for professionals working in AI, deep learning, animation, 3D rendering or media production. Featuring expandable graphics, extensive storage, impressive connectivity and exceptional overall performance and reliability, Pro Workstation motherboards are the ideal solution for creative professionals. Each motherboard includes centralized management software with support for out-of-band management, so they're also an efficient and cost-effective option for IT administrators

Breakthrough performance in a single-socket solution

Built for advanced workstation professionals, Pro WS C621-64L SAGE Series is powered by the latest Intel® Xeon® W-3200 processors that support up to 28 cores, 56 threads and 64 PCIe 3.0 in a single socket. Designed for faster visualizations, simulations and rendering capabilities across demanding applications of all types, Pro WS C621-64L SAGE Series also supports Intel® Xeon® Scalable processors, which utilize the same six-channel LGA3647 socket as the Intel Xeon® W-3200 processors.

Four GPUs support, faster bandwidth

Pro WS C621-64L SAGE Series fits up to four double-decked actively or passively cooled graphics cards, which each support PCIe Gen 3 x16 link bandwidth to ensure fast and fluid animations and model rendering. It also supports the latest NVIDIA® Tesla® and Quadro® graphics cards to deliver the horsepower needed to run design, modeling, medical research, and processing-intensive simulations and rendering applications.

Dual onboard 10G LAN

Featuring dual onboard 10G LAN ported by the cutting-edge Intel® X550 10GBASE-T Ethernet Controller, Pro WS C621-64L SAGE/10G provides server-grade connectivity and supports high-density, high-bandwidth, low-latency access-layer networks to ensure faster transfers of large-size files used in data-intensive applications.

Make your memory faster and reliable

Along with 12 DIMM for up to 6 TB of memory, Pro WS C621-64L SAGE supports Error-correcting code (ECC) to eliminate application or system crashes by automatically detecting and repairing single-bit memory errors.



Pro WS C621-64L SAGE Series

SPECIFICATION

Model	Pro WS C621-64L SAGE	Pro WS C621-64L SAGE/10G
CPU	1 x Socket-P (LGA-3647) Intel® Xeon W-3200 Processor Family (up to 205W) Intel® Xeon Processor Scalable Family (up to 205W) *Refer to www.asus.com for Intel® CPU support list.	
Chipset	Intel® C621 Chipset	
Memory	12 x DIMM (6-channel), Max. 1,536GB DDR4 2933/2666 RDIMM/LR-DIMM/LR-DIMM 3DS *Please refer to Memory QVL (Qualified Vendors List)	
Expansion Slots	Intel Xeon W-3200 Processor: Slot-7 : PCIe x16 Slot (Gen3 x16 link) Slot-5 : PCIe x16 Slot (Gen3 x16 link) Slot-4 : PCIe x16 Slot (Gen3 x4 link) Slot-3 : PCIe x16 Slot (Gen3 x16 link) Slot-1 : PCIe x16 Slot (Gen3 x16 link) Intel Xeon Scalable Processor: Slot-7 : PCIe x16 Slot (Gen3 x16 link) Slot-5 : PCIe x16 Slot (Gen3 x16/x8 link) Slot-4 : PCIe x16 Slot (Gen3 x4 link) Slot-3 : PCIe x16 Slot (Gen3 x16 link) Slot-1 : PCIe x16 Slot (Gen3 x0/x8 link)	
Multi-GPU support	Supports NVIDIA® 4-Way SLI® Technology Supports AMD® 4-Way CrossFireX™ Technology	
Storage	ASMedia® ASM1062R - 2 x SATA 6Gbps ports Intel® C621 PCH with Intel® RSTe (for windows only, support software RAID 0,1,5,10) - 8 x SATA 6Gbps ports - 1 x M.2 Connector, up to 22110 (PCIe 3.0 x4 or SATA mode)	
LAN	2 x Gigabit LAN ports (Intel® I210 Controller)	2 x 10GbE LAN ports (Intel® X550 Controller)
Audio	Realtek® S1220A 7.1-channel HD Audio - Impedance sense for front and rear headphone outputs - Jack-detection, Multi-streaming, Front Panel Jack-retasking - High quality 120dB SNR stereo playback output and 113dB SNR recording input (Line-in) - Premium Japanese audio capacitors: Provide warm, natural and immersive sound with exceptional clarity and fidelity	
Back Panel I/O Ports	2 x USB 3.2 Gen2 ports (1 x Type-A, 1 x Type-C) 4 x USB 3.2 Gen1 ports 2 x Gigabit LAN ports (RJ45) 5 x Audio Jacks 1 x Optical S/PDIF output	2 x USB 3.2 Gen2 ports (1 x Type-A, 1 x Type-C) 4 x USB 3.2 Gen1 ports 2 x 10GbE LAN ports (RJ45) 5 x Audio Jacks 1 x Optical S/PDIF output
Manageability	WOL by PME, PXE, ACC	WOL by PME, PXE, ACC, ASMB9-iKVM (on-board)
Internal I/O Connectors	1 x USB 3.2 Gen2 connector support additional 1 external port 1 x USB 3.2 Gen1 connector support additional 2 external ports 1 x USB 2.0 connector support additional 2 external ports 10 x SATA 6Gbps connectors 1 x M.2 connector, up to 22110 (PCIe 3.0 x4 or SATA mode) 2 x CPU Fan connectors (4-pin) 8 x Chassis Fan Connectors (4-pin) 1 x TPM connector (14-1 pin) 1 x COM connector 1 x VROC key connector 1 x Front Panel Audio connector (AAFP) 1 x 24-pin EATX power connector 2 x 8-pin EATX 12V power connectors 1 x System Panel connector 1 x Chassis Intrusion connector (2-pin)	1 x USB 3.2 Gen1 connector support additional 2 external ports 1 x USB 2.0 connector support additional 2 external ports 10 x SATA 6Gbps connectors 1 x M.2 connector, up to 22110 (PCIe 3.0 x4 or SATA mode) 2 x CPU Fan connectors (4-pin) 8 x Chassis Fan Connectors (4-pin) 1 x TPM connector (14-1 pin) 1 x COM connector 1 x VROC key connector 1 x Front Panel Audio connector (AAFP) 1 x 24-pin EATX power connector 2 x 8-pin EATX 12V power connectors 1 x System Panel connector 1 x Chassis Intrusion connector (2-pin) 1 x VGA connector (16-1 pin)
Form Factor	CEB Form Factor, 12" x 10.9"	