



Monster performance the ultimate workstation



HIGHLIGHTS

- Provides extreme performance with 2-way Xeon Over clocking
- Diverse GPU validated, even up to 4-way Multi-graphics
- Supporting server-class Intel XEON CPU and Error-correcting code (ECC) memory.
- Total of 12 Dimm slots for even hardware-intensive programs to run at brisk pace
- Finely picked components with platinum efficiency
- Realtek® S1220A audio codec provides crystal-clear sound and powerful output
- Provides many feature enhancement with plentiful connectivity, including U.2, M.2, USB 3.1 Type C & A.

Extreme 2P Performance for Workstation

E900 G4 Supports up to 56 processing cores on the Intel® 1st and 2nd Gen Xeon® Scalable Processor server/workstation, Featuring up to 4-way Multi-graphic supported with genuine 4 x PCIe Gen3 x16 link.

E900 G4 uses new ID design on front bezel with ASUS branding which is user friendly, tool-less case design for hassle-free maintenance. making it the perfect workstation for content creators, media streamers and professional designers.

Best for machine learning

AI Imaging – Artificial Intelligence in Radiology, Imaging and beyond Dedicated to AI, Deep Learning and Machine Learning with a focus on imaging

Build to last

Get performance, efficiency, digital power, fan control, networking and audio tuning — all tailored with just one click.

- Games and demanding applications run swiftly and smoothly with high-performance, prioritized bandwidth and vivid sound.
- Fans stay whisper-quiet for everyday computing, and ensure extreme cooling efficiency when gaming.
- Stutter is eliminated for smooth-running apps, even under heavy loading.
- Energy-conserving design saves you money.

Ready to Scale up & Scale out



SPECIFICATION

CPU	Dual Intel® Socket-P/LGA-3647 for 1st and 2nd Gen Xeon® Scalable Processor Family *Refer to www.asus.com for Intel® CPU support list.
Chipset	Intel® C621 Chipset
Memory	12 x DIMM, Max.1536GB, DDR4 2933/2666/2400 MHz RDIMM, LR-DIMM Memory *Please refer to ASUS AVL for the latest update **Actual memory frequency differs from Intel CPU types and memory module. Please check Intel official site for more detail about the memory types supported by each CPU.
Expansion Slots	3 x PCIe 3.0 x16 (x16 mode) 2 x PCIe 3.0 x16 (Single at x16, dual at x8/x8) 2 x PCIe 3.0 x16 (x8 mode)
Multi-GPU support	Supports NVIDIA® 4-Way SLI™ Technology* Supports AMD 4-Way CrossFireX Technology* * Actual number of Multi-graphic supported differs per Vendors' Graphic cards. Please check with Vendor beforehand.
Storage	Intel® C621 Chipset with Intel® RSTe (for Windows and Linux; Support software RAID 0, 1, 10 & 5) support - 8 x SATA 6Gb/s ports (gray) - 1 x M.2 Socket 3, supporting type 22110/2280/2260/2242 (PCIe Gen3 x4 and SATA mode) - 4 x U.2 connector* * Supports Intel® Virtual RAID on Chip (Intel® VROC) ASMedia® SATA RAID Controller* - 2 x SATA 6Gb/s ports Optional kits: ASUS PIKE II 3008 8-port SAS HBA card ASUS PIKE II 3108 8-port SAS HW RAID card 12G SAS Support - 8 x 3.5"/2.5"Tool-less Storage Bays (4* 3.5 SATA HDD+4* 2.5 SAS HDD with PIKE card)
LAN	Intel® I210-AT, 2 x Gigabit LAN Controller(s)
Audio	-Realtek® S1220A 8-ch HD* - Power pre-regulator reduces power input noise to ensure consistent performance - Impedance sense for front and rear headphone outputs - Supports : Jack-detection, Multi-streaming, Front Panel Jack-retasking - High quality SNR stereo playback output and 113 dB SNR recording input (Line-in) - Front panel audio connector (AAFP) - Supports up to 32-Bit/192kHz playback Audio Feature : - DTS Connect - DTS Headphone:X - Optical S/PDIF out port(s) at back panel - Premium Japanese audio capacitors: Provide warm, natural and immersive sound with exceptional clarity and fidelity - Unique de-pop circuit: Reduces start-up popping noise to audio outputs *Due to limitation in HDA bandwidth, 32-Bit/192kHz is not supported for 8-channel audio. 32-Bit/192kHz is only available under
USB	Intel® C621 Chipset : - 8 x USB 3.1 Gen 1 port(s) (4 @ back panel, 4 @ mid-board) - 4 x USB 2.0 port(s) (2 @ back panel, 2 @ mid-board) ASMedia® USB 3.1 Gen 2 controller : - 2 x USB port(s) (2 @ back panel, Type-A + USB Type-C)
Front I/O Ports	- 1 x Headphone jack - 1 x Microphone jack - 4 x USB 3.1 Gen1 ports Front Switch/LED: - 1 x Power switch/LED - 1 x Reset switch - 1 x HDD Access LED
rear I/O Ports	-4 x USB3.1 Gen1 ports -2 x USB3.1 Gen2 ports (1 x Type-A and 1 x Type-C™) -2 x USB 2.0 ports (1 supports USB BIOS Flashback) -1 x USB BIOS Flashback button -1 x PS/2 and keyboard Mouse port -2 x RJ-45 LAN ports -8-channel Audio I/O ports -1x COM port -1x VGA (optional)
Power Supply	Dual 2000W Titanium, CRPS (1+1 Redundant)
Form Factor	532mm x 243mm x 582mm

4-Way Graphics for Full-Force Performance

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R

I

M



Recommended application	AI ,Machine learning	High-end 3D, Engineering...	Mid-range CAD (Best - Ready for VR)	Entry level 3D
CPU	Intel Xeon Silver 4210 x 2	Intel Xeon Platinum 8280 x 2	Intel Xeon Gold 5218 x 2	Intel® Xeon® Silver 4210 x 2
Memory	256GB 8x32GB DDR4 2666MHz RDIMM ECC	768GB 12x64GB DDR4 2933MHz RDIMM ECC	64GB 8x8GB DDR4 2666MHz RDIMM ECC	32GB 4x8GB DDR4 2666MHz RDIMM ECC
GPU	NVIDIA® Tesla®V100 x 4	NVIDIA® Quadro® RTX 6000 x 2	NVIDIA® Quadro® RTX4000	1. NVIDIA® Quadro® P1000 2. NVIDIA® Quadro® P2000 3. NVIDIA® Quadro® P620
Storage	2.5 2TB SATA SSD x 4	2.5 1TB PCIE SSD x 4	3.5" 2TB 7200rpm HDD +2.5" 512GB SATA SSD x 2	3.5" 2TB 7200rpm HDD + 2.5 512GB SSD
ISV application		Revit Inventor MAYA VRAY Unity	3DS MAX Adobe PREMIERE PRO VRAY	Adobe Illustrator Adobe Photoshop Autocad VRAY