



Essential workstation with Intel® Alder Lake-S processors, 128GB ECC memory, dual LAN, triple M.2, support for up to three display



HIGHLIGHTS

- Powerful performance with Intel® Alder Lake-S processors and ECC memory
- Supports up to three independent displays simultaneously via HDMI, DisplayPort, DVI-D and VGA
- Improved productivity with ASUS Control Center
- Graphics card support, including NVIDIA® Quadro® RTX
- Triple M.2 for up to 32Gbps performance and data redundancy
- Convenient I/O design and ultrafast connectivity
- Dual on board Intel® LAN support Intel 2.5Gb Ethernet port for faster data-transfer speeds
- Independent software vendor (ISV) certification for validated reliability and compatibility with key applications

Powerful performance with Intel® Alder Lake-S processors CPUs and ECC memory

E500 G9 is built on the Intel W680 chipset and comes with a choice of the latest Intel 12th Generation Intel Core™ CPUs. E500 G9 delivers powerful, optimized performance for always-on usage scenarios and supports error-correction code (ECC) memory for automatic detection and repair of single-bit memory errors, reducing the change of system crashes and data corruption to ensure reliable and responsive workstation performance.

Graphics card support

E500 G9 supports NVIDIA Quadro RTX graphics cards, making it the perfect workstation for content creators, media streamers and professional designers

Dual LAN support Intel 2.5Gb Ethernet port for faster data-transfer speeds

2.5G on-board Ethernet kicks your Ethernet connection up a notch with an up to a 2.5X bandwidth improvement for a significant speed upgrade over traditional Gigabit LAN connections. Using your existing Ethernet cable, you can take advantage this networking upgrade to experience smoother, lag-free gaming, immediately stream high-resolution videos and enjoy faster file transfers.

Supports up to three independent displays simultaneously

Designers rely on multiple displays for more efficient and comfortable productivity. E500 G9 comes equipped for total display flexibility with support for up to three independent displays via HDMI, DisplayPort, DVI-D and VGA, perfect for multitasking environments.

Triple M.2 for up to 32Gbps performance and data redundancy

E500 G9 features triple M.2 slots to unleash maximum data-transfer performance. One M.2 slot supports up to 22110-length M.2 drives via PCIe Gen4 x4 for ultrafast data access. The 2nd M.2 slot is suitable for SATA drives or Intel® Optane memory via PCIe Gen4 x4 to speed up traditional hard drives, and the 3rd M.2 slot drives via PCIe Gen3 x4.

Improved productivity with ASUS Control Center

E500 G9 features centralized IT-management with ASUS Control Center (ACC), a comprehensive control platform with a user-friendly interface that provides access to all of your workstations from anywhere via your mobile device. It is designed to improve system reliability, facilitate easy updates and provide seamless integration for small to medium-size business and enterprises for increased productivity

Independent software vendor (ISV) certification

Independent software vendor (ISV) software is becoming an important factor to users in variety of industries. ASUS works in close partnership with ISV vendors, such as Adobe and Autodesk, to test and verify compatibility. This ensures ASUS workstations are reliable and highly effective for users in different fields.



ADVANCED INTEGRATION

SPECIFICATION

CPU	Intel® 12 th Generation Core™ i9/i7/i5/i3 processors 1 x Socket LGA-1700
Chipset	Intel® W680 Chipset
Memory	4 x DIMM slots, Max 128GB, DDR5 4400/3600 MHz,ECC/ non-ECC UDIMM *Actual memory frequency differs from Intel CPU and memory module. Please check Intel official site for more detail about the memory supported by each CPU.
Expansion Slots	Total: 5 Location-1: PCIe x16_1 slots (Gen5 x16/x8 link, FH, FL) Location-2: PCIe x1 slots (Gen3 x1 link, FH, FL) Location-3: PCIe x16_2 slots (Gen5 x0/x8 link, FH, FL) Location-5: PCIe x16_3 slots (Gen4 x4 link, FH, FL)* Location-6: PCIe x16_4 slots (Gen3 x4 link, FH, FL) * the bandwidth of PCIe link is shared with M.2_2
GPU support	Supports 1 x double deck PCIe x16 GPU card
Storage	SATA Controller : Intel® W680 Chipset: 8 x SATA 6Gb/s Intel® RST (Windows) (Support software RAID 0, 1, 10 &5) Drive bay: 3 x internal 3.5" Drive bays 1 x Internal 2.5" Drive bay M.2: 1 x M.2_1 socket3, up to 2280 type (PCIe Gen4 x4) 1 x M.2_1 socket3, up to 2280 type (PCIe Gen3 x) 1 x M.2_2 socket3, up to 22110 type (PCIe Gen4 x4) 1 x M.2(Wifi), up to 2230 type (PCIe Gen3x1) (Support Intel® Optane memory)
LAN	2 x Intel® I225-LM 2.5GbE LAN
Audio	Realtek® ALC897 7.1-Channel High Definition Audio CODEC
USB	Total 10 USB ports Front: 1 x USB 3.2 Gen2x2 port 2 x USB 3.2 Gen1 ports 1 x USB 2.0 ports Rear: 2 x USB 3.2 Gen2 ports (1 port at Type A, 1 port at Type C) 4 x USB 3.2 Gen1 ports
Front I/O Ports	1 x USB 3.2 Gen2x2 port 2 x USB 3.2 Gen1 ports 1 x USB 2.0 ports 1 x Headphone jack 1 x Microphone jack
Switch / LED	Front: 1 x Power Switch/LED 1 x Reset Switch 1 x HDD Access LED
Rear I/O Ports	2 x USB 3.2 Gen2 ports (1 port at Type A, 1 port at Type C) 4 x USB 3.2 Gen1 ports 1 x HDMI 1 x DisplayPort 1 x DVI-D 1 x VGA 2 x LAN ports (RJ45) 1 x 7.1-channel Audio I/O ports (5+1 Audio jacks)
Power Supply	300W Bronze ATX Power Supply (100-127/220-240Vac, 6-3A, 50-60Hz, Class I) 550W Gold ATX Power Supply (100-240Vac, 9-4.5A, 50-60Hz,) 750W Gold ATX Power Supply (100-240Vac, 9-4.5A, 50/60Hz)
Form Factor	423mm x 190mm x 435mm 16.7" x 7.48" x 17.1"



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