



Intel® Mehlow platform Workstation with up to three displays support



HIGHLIGHTS

- Powerful performance with Intel® Xeon® E processor 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® and AMD® Radeon™ Pro
- Dual M.2 for up to 32Gbps performance and data redundancy
- Convenient I/O design and ultrafast connectivity
- Dual Intel® Gigabit LAN with teaming support
- Independent software vendor (ISV) certification

Powerful performance with Intel Xeon E-2100/E-2200 family CPUs and ECC memory

E500 G5 is built on the Intel C246 chipset and comes with a choice of the latest Intel Xeon E-2100/E-2200 family or 8th/9th Generation Intel Core™ CPUs. With Intel Xeon, E500 G5 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 G5 supports NVIDIA Quadro and AMD Radeon™ Pro graphics cards, making it the perfect workstation for content creators, media streamers and professional designers

Supports up to three independent displays simultaneously

Designers rely on multiple displays for more efficient and comfortable productivity. E500 G5 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..

Improved productivity with ASUS Control Center

E500 G5 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

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

E500 G5 features dual M.2 slots to unleash maximum data-transfer performance. One M.2 slot supports up to 22110-length M.2 drives via PCIe 3.0 x4 for ultrafast data access. The other M.2 slot is suitable for SATA drives or Intel® Optane memory via PCIe 3.0 x2 to speed up traditional hard drives.

Independent software vendor (ISV) certification

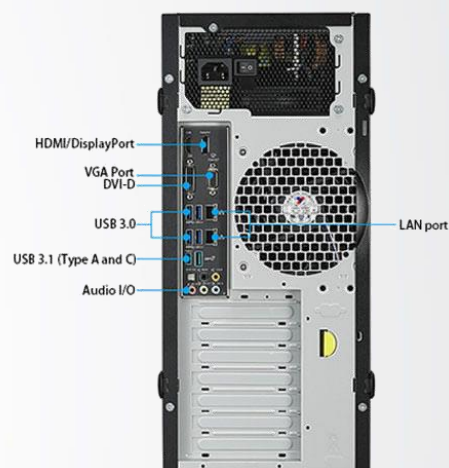
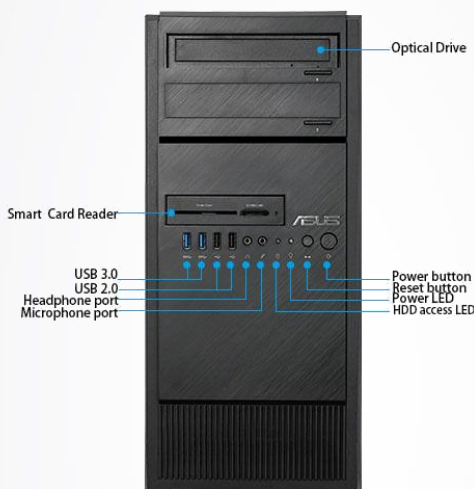
Independent software vendor (ISV) software is becoming an important factor to users in variety of industries. ASUS works in close partnership with ISV vendors, such as Adobe and Autodesk, to test and verify compatibility. This ensures ASUS workstations are reliable and highly effective for users in different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

SPECIFICATION

CPU	Intel® Xeon® E-2100/E-2200 Family Processors Intel® Core™ i9/i7/i5/i3 processors Intel® Pentium™ processors Intel® Celeron™ processors 1 x Socket LGA-1151
Chipset	Intel® C246 Chipset
Memory	4 x DIMM slots, Max. 128GB, DDR4 2666/2400MHz 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: 6 PCIEX1_1: PCI-E x1 slot, x1 Gen3 Link, from PCH PCIEX16_1: PCI-E x16 slot, x16/ x8 Gen3 Link, from CPU PCIEX16_2: PCI-E x16 slot, x8 Gen3 Link, switched from PCIEX16_1, from CPU PCIEX1_2: PCI-E x1 slot, x1 Gen3 Link, from PCH PCIEX16_3: PCI-E x16 slot, x4 Gen3 Link, from PCH PCIEX16_4: PCI-E x16 slot, x4 Gen3 Link, from PCH, shared with 4 SATA
GPU support	Supports 1 x double deck PCIe x16 GPU card
Storage	SATA Controller : Intel® C246 Chipset 8 x SATA3 6Gb/s ports Intel® Rapid Storage Technology(RST) (For Linux/Windows) (Support Software RAID) Drive bay: 1 x Internal 2.5" drive bay 3 x Internal 3.5"/2.5" drive bay M.2: 1 x M.2 (SATA 6Gb/s & PCIe Gen3 x2 link, NGFF 2280/2260/2242) 1 x M.2 (PCIe Gen3 x4 link, NGFF 22110/2280/2260/2242)
LAN	1 x Intel® i210-AT 1 x Intel® i219-LM
Audio	Realtek® ALC887 8-Channel High Definition Audio CODEC
USB	Total 10 USB ports Front: 2 x USB 3.2 Gen1 2 x USB 2.0 Rear: 4 x USB 3.2 Gen1 2 x USB 3.2 Gen2 (1 x Type)
Front I/O Ports	2 x USB 3.2 Gen1 2 x USB 2.0 1 x Headphone port 1 x Microphone port
Switch / LED	Front: - 1 x Power Switch/LED - 1 x Reset Switch - 1 x HDD Access LED
TPM	TPM-M R2.0 header on board
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. Gen1 ports 1 x HDMI 1 x DisplayPort 1 x DVI-D 1 x VGA 2 x RJ-45 ports 1 x 8-channel Audio I/O ports (5 + 1 Audio jacks)
Power Supply	300W 80PLUS Single Power Supply, Bronze 100-127/220-240V, 6/3A, 60-50Hz, Class I 500W 80PLUS Single Power Supply, Gold 100-240V, 10-6A, 50/60Hz, Class I 700W 80PLUS Single Power Supply, Gold 100-240V, 10-5A, 50/60Hz, Class I
Form Factor	423mm x 190mm x 435mm 16.65" x 7.48" x 17.13"

POWERFUL ENTRY WORKSTATION with IMPRESSIVE EXPANDABILITY

E500 G5 supports server-grade Intel Xeon Processors and ECC memory plus double deck GPU card for tough jobs, also feel free to experience plentiful convenient I/O and connectivity design



Recommended application	Performance	Mainstream	Entry
CPU	Intel Xeon E-2288G	Intel Xeon E-2246G	Intel Core i7-9700
Memory	Total 128GB 32GB x 4 DDR4 2666 ECC UDIMM	Total 64GB 32GB x 2 DDR4 2666 ECC UDIMM	Total 32GB 16GB x 2 DDR4 2666 UDIMM
GPU	NVIDIA® Quadro® RX8000 x 1	NVIDIA® Quadro® RTX6000 x 1	NVIDIA® Quadro® RTX4000 x1
Storage	1TB PCIE M.2 x 1 + 3.5" 10TB SATA HDD x 3	512GB PCIE M.2 x 1 + 3.5" 4TB SATA HDD x 2	256GB PCIE M.2 x 1 + 3.5" 1TB SATA HDD x 1
ISV application	Vray	Solidwork	Adobe