



Essential workstation with Intel® Xeon® W-1200 processors, 128GB ECC memory, dual LAN, dual M.2, support for up to three display



HIGHLIGHTS

- Powerful performance with Intel® Xeon® W 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 on board Intel® LAN support including 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 Xeon® W-1200 family CPUs and ECC memory

Pro E500 G6 is built on the Intel W480 chipset and comes with a choice of the latest Intel Xeon® W-1200 family or 10th Generation Intel Core™ CPUs. With Intel Xeon, Pro E500 G6 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

Pro E500 G6 supports NVIDIA Quadro Pro graphics cards, making it the perfect workstation for content creators, media streamers and professional designers

Dual LAN support including 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. Pro E500 G6 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..

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

Pro E500 G6 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 Gen3 x4 to speed up traditional hard drives.

Improved productivity with ASUS Control Center

Pro E500 G6 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.

SPECIFICATION

CPU	Intel® Xeon® W-1200 Family Processors (up to 125W) Intel® 10 th Generation Core™ i9/i7/i5/i3 processors 1 x Socket LGA-1200
Chipset	Intel® W480 Chipset
Memory	4 x DIMM slots, Max 128GB, DDR4 2933/2666 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: 6 PCIEX1_1: PCI-E x1 slot, x1 Gen3 Link, from PCH*1 PCIEX16_1: PCI-E x16 slot, x16/ x8 Gen3 Link, from CPU PCIEX1_2: PCI-E x1 slot, x1 Gen3 Link, from PCH*1 PCIEX16_2: PCI-E x16 slot, x0/x8 Gen3 Link, switched from PCIEX16_1, from CPU 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*2 *1PCIe Bandwidth is shared between M.2 socket and PCIe1 *2SATA Bandwidth is shared between M.2 socket and SATA port
GPU support	Supports 1 x double deck PCIe x16 GPU card
Storage	SATA Controller : Intel® W480 Chipset 8 x SATA3 6Gb/s ports Intel® Rapid Storage Technology(RST) (For Windows) (Support Software RAID) Drive bay: 2 x internal 5.25" Drive bays 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 (SATA mode & PCIe Gen3 x4 link)*3 1 x M.2_2 socket3, up to 22110 type (PCIe Gen3 x4 link)*4 *3PCIe Bandwidth is shared between M.2 socket and PCIe1 *4SATA Bandwidth is shared between M.2 socket and SATA port
LAN	1 x Intel® i225-LM 2.5GbE LAN 1 x Intel® i219-LM Gigabit LAN
Audio	Realtek® ALC887 7.1-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 C)
Front I/O Ports	2 x USB 3.2 Gen1 2 x USB 2.0 1 x Head phone port 1 x Microphone port
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. Gen1 ports 1 x HDMI 1 x DisplayPort 1 x DVI-D 1 x VGA 2 x RJ-45 ports 1 x 7.1-channel Audio I/O ports (5 + 1 Audio jacks)
Power Supply	300W 80PLUS Bronze ATX Power Supply (100-127/220-240V, 6/3A, 60-50Hz, Class I) 500W 80PLUS Gold ATX Power Supply (100-240Vac, 50/60 Hz, 7-3.5A) 700W 80PLUS Gold ATX Power Supply (100-240Vac, 10-5A, 50/60Hz)
Form Factor	423mm x 190mm x 435mm 16.65" x 7.48" x 17.13"

POWERFUL ENTRY WORKSTATION with IMPRESSIVE EXPANDABILITY

Pro E500 G6 supports 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

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M



Recommended application

CPU

Performance

Intel Xeon® W-1290P

Mainstream

Intel Xeon® W-1270

Entry

Intel Core i5-10500

Memory

Total 128GB
32GB x 4 DDR4 2933 ECC UDIMM

Total 64GB
32GB x 2 DDR4 2933 ECC UDIMM

Total 32GB
16GB x 2 DDR4 2666 UDIMM

GPU

NVIDIA® Quadro® RTX8000 x 1

NVIDIA® Quadro® RTX4000 x 1

NVIDIA® Quadro® P2200 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