



## Excellent performance The balanced workstation



### HIGHLIGHTS

- Provides excellent performance with Intel Xeon W-3200 processors
- Diverse GPU validated, even up to 4-way Multi-graphics cards
- Supporting server-class Intel 10GbE LAN ports and Error-correcting code (ECC) memory.
- Total 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 USB 3.2 Gen2 with Type-A & Type-C, M.2 connector, and 7.1-channel HD audio jacks.

### Excellent Single-processor Performance for Workstation

ASUS Pro E800 G4 supports up to 56 processing cores on the Intel® Xeon® W-3200 processors workstation, featuring up to 4-way Multi-graphics supported with genuine 4 x PCIe Gen3 x16 link.

ASUS Pro E800 G4 is user friendly, tool-less case design for hassle-free maintenance, making it the perfect workstation for Architecture, Engineering, Construction, Media Streaming, and Content Creations.

### Best for Data Science

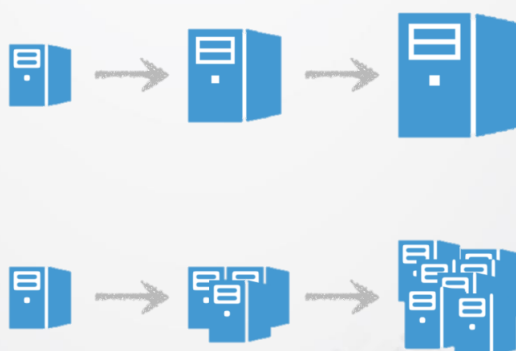
Data Science is the key to modern business. GPU-accelerated workstation is the most suitable for data science purpose. ASUS Pro E800 G4 brings the benefit of maximized productivity, ease of use, and expanding flexibility up to 4 GPU, 12 DIMM and 8 HDD/SSD.

### Built to Last

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

- 3D-rendering 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 full-speed running.
- Stutter is eliminated for smooth-running apps, even under heavy loading.
- Energy-conserving design saves you money.

### Ready to Scale up & Scale out



## SPECIFICATION

|                          |                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CPU</b>               | Intel® Xeon® W-3200 Series Processors<br>Socket-P (LGA-3647)                                                                                                                                                                                                                                                                                                                       |
| <b>Chipset</b>           | Intel® C621 Chipset                                                                                                                                                                                                                                                                                                                                                                |
| <b>Memory</b>            | 12 x DIMM slots, Max.1,536GB, DDR4 2933/2666MHz RDIMM, LR-DIMM memory<br><br>*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.                                                                                                                                           |
| <b>Expansion Slots</b>   | Total 5 slots<br>Slot7: PCIe x16 Slot (Gen3 x16 Link)<br>Slot5: PCIe x16 Slot (Gen3 x16 Link)<br>Slot4: PCIe x16 Slot (Gen3 x4 Link)<br>Slot3: PCIe x16 Slot (Gen3 x16 Link)<br>Slot1: PCIe x16 Slot (Gen3 x16 Link)                                                                                                                                                               |
| <b>Multi-GPU support</b> | Supports NVIDIA® 4-Way SLI™ Technology*<br>Supports AMD 4-Way CrossFireX Technology*<br>* Actual number of Multi-graphic supported differs per vendors' graphic cards. Please check with vendors beforehand.                                                                                                                                                                       |
| <b>Storage</b>           | 8 x Internal 3.5"/2.5" Tool-less Storage Bays<br>(Backplane supports 4 x SATA/SAS + 4 x SATA/SAS/NVME devices)<br><br>1 x M.2 socket 3, supporting type 22110/2280/2260/2242 (PCIe Gen3 x4 and SATA mode)<br><br>Optional kits: (One PCIe slot will be occupied)<br>ASUS PIKE II 3008 8-port SAS HBA card<br>ASUS NVMe Oculink card                                                |
| <b>LAN</b>               | 2 x 10GbE LAN ports (Intel® X550 Controller)                                                                                                                                                                                                                                                                                                                                       |
| <b>Audio</b>             | Realtek® S1220A 7.1-channel HD Audio<br>- Impedance sense for front and rear headphone outputs<br>- Jack-detection, Multi-streaming, Front Panel Jack-retasking<br>- High quality 120dB SNR stereo playback output and 113dB SNR recording input (Line-in)<br>- Premium Japanese audio capacitors: Provide warm, natural and immersive sound with exceptional clarity and fidelity |
| <b>USB</b>               | Total 10 USB ports<br>ASMedia® ASM3142 controller :<br>- 2 x USB 3.2 Gen2 ports (1 x Type-A, 1 x Type-C @rear)<br><br>Intel® C621 Chipset :<br>- 8 x USB 3.2 Gen 1 ports (4 @rear, 4 @front)                                                                                                                                                                                       |
| <b>Front I/O Ports</b>   | 4 x USB 3.2 Gen1 ports<br>2 x Audio Jacks (Mic in / Speaker out)                                                                                                                                                                                                                                                                                                                   |
| <b>Switch / LED</b>      | Front:<br>- 1 x Power Switch/LED<br>- 1 x Reset Switch<br>- 1 x HDD Access LED<br><br>Rear:<br>- 1 x BIOS Flash-back Button                                                                                                                                                                                                                                                        |
| <b>Rear I/O Ports</b>    | 2 x USB 3.2 Gen2 ports (1 x Type-A ,1 x Type-C)<br>4 x USB 3.2 Gen1 ports<br>2 x 10GbE LAN ports (RJ45)<br>5 x Audio jacks<br>1 x Optical S/PDIF output<br>1 x COM port (optional)<br>1 x VGA port (optional, from BMC)                                                                                                                                                            |
| <b>Power Supply</b>      | 2000W Platinum ATX Power Supply (100-240Vac, 15-12A, 60-50Hz)<br>700W Gold ATX Power Supply (100-240Vac, 10-5A, 60/50Hz)                                                                                                                                                                                                                                                           |
| <b>Form Factor</b>       | 532mm x 243mm x 582mm<br>21.0" x 9.5" x 22.9"                                                                                                                                                                                                                                                                                                                                      |

### 4 GPU + 10GbE features for Power rendering & Real-time transmission

More GPU card support is needed for nowadays rendering jobs. ASUS Pro E800 G4 lets you enjoy the benefit of saving rendering time, and also transmitting rendered files in real time with 10GbE ports.

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#### Recommended application

#### CPU

**AI , Data Science,  
GPU-accelerated workstation**

Intel Xeon W-3275  
2.5-4.6GHZ, 28C56T, 205W

**3D-rending,  
Engineering Simulation**

Intel Xeon W-3245  
3.2-4.6GHZ, 16C32T, 205W

**Mid-range CAD  
(Best - Ready for VR)**

Intel Xeon W-3225  
3.7-4.4GHZ, 8C16T, 160W

#### Memory

Total 384GB  
64GB x 6 DDR4 RDIMM (ECC)

Total 768GB  
64GB x 12 DDR4 RDIMM (ECC)

Total 96GB  
16GB x 6 DDR4 RDIMM (ECC)

#### GPU

NVIDIA<sup>®</sup> Quadro<sup>®</sup> RTX8000 x 2

NVIDIA<sup>®</sup> Quadro<sup>®</sup> RTX6000 x 2

NVIDIA<sup>®</sup> Quadro<sup>®</sup> RTX4000

#### Storage

2.5" 1TB PCIE SSD x 4 + 3.5" 10TB SATA  
HDD x 4

2.5" 1TB PCIE SSD x 4 + 3.5" 3TB SATA  
HDD x 4

M.2 1TB PCIE SSD x 1 + 3.5" 3TB SATA  
HDD x 4

#### ISV application

CUDA-X AI

Revit  
Inventor  
MAYA  
VRAY  
Unity

3DS MAX  
Adobe PREMIERE PRO  
VRAY