FusionXtation™ X3 8000 Workstation

Product Specifications

Introduction

FusionXtation™ X3 8000 Workstation, powered by the latest Intel® Core™ processors and compatible with cutting-edge GPUs, is engineered to supercharge your workflows in 2D/3D design, CAD modeling, and entry-level VR content creation. Ideal for industries such as smart manufacturing, digital content creation, scientific research, education, energy, and infrastructure, it transforms every step of your process and unlocks unparalleled performance that accelerates innovation and delivers results.



FusionXtation™ X3 8000 Workstation

Form Factor	Tower, 32L
CPUs	13th/14th Gen Intel Core i3/i5/i7/i9 processors, up to 24 cores
Chipset	Intel W680
Memory	4 x 48 GB DDR5 UDIMMs, up to 192 GB, non-ECC and ECC both supported
Drives	2 x 3.5" + 2 x 2.5" SATA HDDs/SSDs and 3 x NVMe M.2 SSDs (PCIe 4.0 x4 supported)
Network	2 x 2.5 GE RJ45
PCIe Expansion Slots	1 x PCIe® 5.0 x16 1 x PCIe® 4.0 x16 (PCIe x4 supported) 1 x PCIe 3.0 x4 1 x PCIe 3.0 x1
I/O Ports	**Front panel:** 2 x USB-C ports (USB 3.2 Gen 2x1, 10 Gbit/s) 2 x USB-A 3.0 ports (USB 3.2 Gen 1x1, 5 Gbit/s) 1 x universal audio port (3.5 mm) 1 x front 3-in-1 media card reader (USB 2.0) 1 x power button 1 x HDD LED **Rear panel:** 2 x USB-C ports (USB 3.2 Gen 2x2, 20 Gbit/s + USB 3.2 Gen 2x1, 10 Gbit/s) 2 x USB 2.0 ports (2 x Type-A) 4 x USB-A ports (USB 3.2 Gen 2x1, 5 Gbit/s) 2 x USB-A ports (USB 3.2 Gen 1x1, 5 Gbit/s) 2 x DisplayPort 1.4 1 x HDMI port 1 x VGA (Optional BMC) 2 x Intel® 2.5 Gbit/s Ethernet ports 1 x line-in port (3.5 mm) 1 x line-out port (3.5 mm) 1 x MIC-in port
Power Supply	600W \750W \1200W
BMC (optional)	Remote management, hardware monitoring, and out-of-band management

Application Scenarios

Industrial simulation, digital twin, industrial CAD, engineering BIM, educational multimedia training, and gaming/animation/VR creation

Highlights

Outstanding Performance, Limitless Potential

- Powered by 13th/14th Gen Intel® Core™ processors for seamless multitasking
- 32L chassis with 1200 W power supply for superior cooling and optimal performance
- Up to 192 GB DDR5 memory at 5600 MT/s with ECC to ensure long-term data accuracy during intensive operations

Compatible with Top-Tier GPUs to Unleash AI/Graphics Performance

- Supporting NVIDIA® RTX™ 5880 Ada, offering top-notch AI, computing, simulation, and graphics capabilities
- Supporting NVIDIA® GeForce RTX™ 5090 D, taking performance to the next level
- Ultra-fast PCIe 5.0 for enhanced storage bandwidth and superior visualization, fully compatible with PCIe 4.0

Versatile I/O and Expansion for Every Need

- 4 x PCIe slots for various standard PCIe cards
- 7 x drives for storage expansion
- 2 x 2.5 GE ports + 12 USB ports to cover all connectivity needs
- Optional COM and VGA ports for enhanced flexibility

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