



4th Generation Dual Xeon processor performance
for premiere GIS, AI, and 3D graphics power.

M4221D Blade PC Workstation



Front View



Rear View

KEY FEATURES

Dual CPU

- Intel 4th Gen Xeon Scalable
- Xeon 4410T (10C/20T, 2.7 GHz up to 4.0 GHz, 150W, 26.5MB Cache) TPM 2.0, Secure Boot
- Xeon 4416+ (20C/40T, 2.0 GHz up to 3.9 GHz, 165W, 37.5MB Cache) TPM 2.0, Secure Boot
- Xeon Gold 6448 (32C/64T, 2.1 GHz up to 4.1 GHz, 225W, 60MB Cache) TPM 2.0, Secure Boot

Operating System

- Windows 10 Pro
- Windows 11 Pro
- Linux

GPU

Up to 4 double-wide or 8 single-wide GPUs

I/O Physical

- 1 x VGA + add on video card
- 2 x USB 2.0
- 2 x 10Gbps (AIOM)
- 2 x M Key 2280/22110
- SATA Header
- SATA Port

TECHNICAL SPECS

Dimensions

3.2" (H) x 29.1" (L) x 17.2" (W)
2U

Environment

Office/Operating: 0°C - 35°C

Memory

DDR5 ECC 4800 x 32
Recommended: 512GB
Max: 8192GB

Storage

2 x M.2 2280/22110
8 x SATA 2.5" Removable

Power

800 W @ 120 Vac
1200 W @ 240 Vac
100-240 V, 50-60 Hz

Part Number	Part Description
G0904221	M4221D Blade PC Workstation

RevM10162023

BENEFITS



Powered by Dual-Socket 4th Gen Intel® single Xeon® Scalable Processor



Faster performance across a broad range of design, animation and video applications



TPM 2.0 and UEFI BIOS to meet the latest DoD requirements for Windows 10 support



Configurable network ports options Copper or Fiber



Locked user sessions or failed Blades PCs can be hot-swapped remotely

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U.S. DoD-Level Security Features

The M4221D Blade PC Workstations serve as a local workstation for a dynamic PC performance to end users across the network, ensuring your data and intellectual property is always secure in the data center. M4221D Blade PC workstation integrated Trusted Platform Module (TPM2.0) and UEFI BIOS with secure remote boot capability meets the latest US Department of Defense requirements for Windows 10, Windows 11, and Linux support to provide IT administrators everything they need for safe and powerful deployments and performance.

ClearCube's fully configurable M4221D Blade PC was designed for robust performance and efficiency by combining dual Intel® Xeon® Scalable Processors, up to 8192GB of memory, up to 4 NVIDIA® Quadro GPUs (double-wide), 8 hot swappable 2.5" drive bays, dual or quad 1:1PCoIP® host cards and copper and/or fiber connections, and more to deliver true workstation performance in a datacenter optimized platform for the most demanding and critical uses.















Ideal For

The M4221 Blade PC Workstation stands out as an ideal solution for a wide range of demanding tasks, making it the top choice for professionals working in GIS, AI, Advanced Data Modeling, and 3D Modeling.

Ordering Information: CALL 512.652.3500

Email: sales@clearcube.com to order or for more information



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