



3rd Generation Xeon performance computing solution
for high-end CAD, GIS, and 3D graphics power user.

M3120D Blade PC Workstation



KEY FEATURES

CPU

- Intel 3rd Gen Xeon Scalable
- Xeon Gold 6336Y (24C/48T, 2.0 GHz up to 3.6 GHz, 185W, 48MB Cache) TPM 2.0, Secure Boot
- Xeon Gold 6330N (28C/56T, 2.2 GHz up to 3.4 GHz, 165W, 42MB Cache) TPM 2.0, Secure Boot
- Xeon Gold 5320 (24C/52T, 2.2 GHz up to 4.5 Ghz, 185W, 39MB Cache) TPM 2.0, Secure Boot

Operating System

- Windows 10 Pro
- Windows 11 Pro
- Linux

Display

GPU: Up to NVIDIA A6000

I/O Physical

- 1 x VGA + add on video card
- 3 x USB 3.0
- 2 x 10Gbps - w/ X710-AT2
- 1 x COM
- PCoIP 1Gbe Copper (optional)
- M.2
- SATA Header
- SATA Port

TECHNICAL SPECS

Dimensions

1.7" (H) x 29.1" (L) x 17.2" (W)
1U

Environment

Office/Operating: 0°C - 35°C

Memory

DDR4 ECC 3200 x 32
Recommended: 512GB
Max: 8192GB

Storage

12 x SATA 2.5" Removable

Power

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

IDEAL FOR:

ClearCube M3120D combines the benefits of PCoIP host-side rendering with a CPU/GPU engineering workstation processing platform that is at the top of the performance charts.

Part Number	Part Description
G0903120	M3120D Blade PC Workstation

RevM10122023

BENEFITS



Powered by Dual-Socket 3rd 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



ClearCube's fully configurable single-socket M3120D Blade PC was designed for robust performance and efficiency by combining Intel® Xeon® Scalable Processors, up to 1.5TB of memory, NVIDIA® Quadro GPUs, 12 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 and to enable IT administrator to give power users the dynamic features they need to run CAD/CAM/GIS/3D applications.

U.S. DoD-Level Security Features

The M3120D 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. M3120D 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.

For Data Modeling & Medical Imaging

For high-precision, data-sensitive applications, NVIDIA Quadro P6000 has 24GB of GDDR5X GPU memory with ultra-fast bandwidth that allows you to create and render large, complex models and compute massive data sets. From medical imaging to structural analysis applications, data integrity and precision is assured, without sacrificing performance. ClearCube desktop to data center solution delivers benefits on both ends: better security, ergonomics and working environment at the desktop plus better cooling, management, and data control in the data center.

For CAD & 3D Model Rendering

In CAD environments with heavy file transfer traffic, administrators can move large CAD files from the server to the M3120D in the data center using optional 10GbE Base-T ports and eliminates the need/cost/time/building code permits for having to run 10 GbE infrastructure to the endpoints. With this configuration all the 10GbE runs from the workstation to the server can be short and done completely in the data center. All the runs to the desktop zero clients (or thin clients or other endpoint) can be left intact as 1GbE.

Ordering Information: CALL 512.652.3500

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

