CLEAR CUBE

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

Featuring the most powerful Intel CPU and NVIDIA CPU

M1029D Blade PC Workstation

BENEFITS

ClearCube M1029D 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
G0901029D	M1029D Blade PC Workstation

KEY FEATURES

CPU
Intel 2nd Gen Xeon Scalable
• Xeon 2nd Gen Silver 4215R (8C/16T, 3.2 GHz up to 4.0 Ghz, 130W, 11MB Cache)
• Xeon 2nd Gen 5218R (20C/40T, 2.1GHz up to 4.0 GHz, 125W, 27.5MB Cache)
• Xeon 2nd Gen Gold 6250 (8C/16T, 3.0 GHz up to 4.5 Ghz, 185W, 35.75MB Cache) TPM 2.0, Secure Boot

Operating System
Stratodesk NoTouch OS
Windows 10 Pro
Windows 11 Pro
Linux

Display
GPU: Up to NVIDIA A6000

I/O Physical
1 x VGA
2 x USB 3.0
3 Network Ty[es (config. is dependent on module requested)
Optional PCIe expansion
M.2
2 x SATA
2 x SATA/NVME (2.5”)
4 x PCIe 3.0 x16
1 x PCIe 3.0 x8

TECHNICAL SPECS

Dimensions
1.7" (H) x 30.6" (L) x 17.2" (W)
1U

Environment
Office/Operating: 0°C - 35°C

Memory
DDR4 2933, ECC x 16
Recommended: 128GB
Max: 4TB

Storage
2 x SATA
2 x SATA + NVME
SATA 2.5” Removable

Power
205 W
100-240 V, 50-60 Hz

RevM08232022

BENEFITS

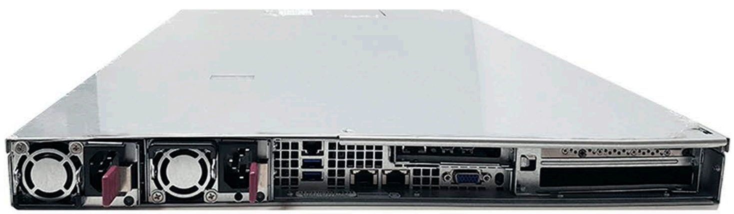
Powered by Dual-Socket 2nd Gen Intel® single Xeon® Scalable Processor

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 M1029D Blade PC was designed for robust performance and efficiency by combining Intel® Xeon® Scalable Processors, up to 1.5TB of memory, NVIDIA® Quadro Pascalor RTX GPUs, six 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 M1029D 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. M1029D 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 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 M1029D in the data center using the built-in 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

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