



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

Featuring the most powerful Intel CPU and NVIDIA GPU

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

**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

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



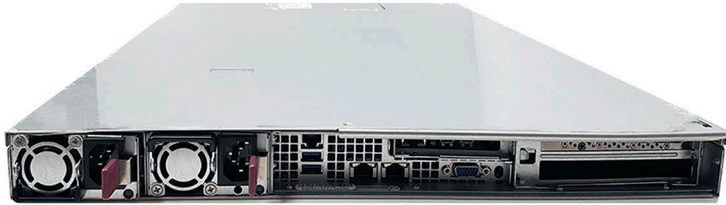
TPM 2.0 and UEFI BIOS to meet the latest DoD requirements for Windows 10 support



Configurable network ports options Copper or Fiber



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



## Unparalleled Data and Intellectual Property Security

Protecting data and eliminating the chances of unauthorized access are two important considerations in enterprises these days. 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 datacenter. M1029D Blade PC workstation integrated Trusted Platform Module (TPM 2.0) 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 or safe and powerful deployments and performance.

ClearCube® fully configurable dual-socket M1029D Blade PC takes engineering workstation design to the highest level. Designed for robust performance and efficiency the M1029D features 2nd Gen Intel® Xeon® Scalable Processors, up to 4TB of 3DS ECC DDR4-2933MHz memory, NVIDIA® Quadro Pascal or RTX GPUs, four hot-swappable 2.5” drive bays, dual or quad 1:1 PCoIP® host cards, copper/fiber connections and more, to enable IT administrators to deliver a true workstation performance in a datacenter optimized platform and give power users the dynamic features they need to run CAD/CAM/GIS/3D applications.

For high-precision, data-sensitive applications, NVIDIA Quadro P6000 has 24 GB of GDDR5X GPU memory with ultra-fast bandwidth that allows you to create and render large, complex models and compute massive datasets. From medical imaging to structural analysis applications, data integrity and precision is assured, without sacrificing performance. ClearCube desktop to datacenter 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.

Additionally, M1029D configurable network ports options include dual 10GbE or 1GbE copper ports or fiber SFP modules or quad 1GbE copper ports. In environments with heavy file transfer traffic, administrators can move large files from the server to the M1029D in the datacenter, rather than all the way out to the end point. Configuring the M1029D with 10GbE network connectors eliminates the need/cost/time/building code permits, etc for having to run 10GbE infrastructure to the end points. All the 10GbE runs from the workstation to the server can be short and done completely in the datacenter while the all the runs to the desktop zero clients can be left intact as 1GbE.

**Ordering Information: CALL 512.652.3500**

Email: [sales@clearcube.com](mailto:sales@clearcube.com) to order or for more information

