**CLEARCUBE**

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

Featuring the most powerful Intel CPU and NVIDIA CPU

### M1028S Blade PC Workstation

### BENEFITS

ClearCube M1028S 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 |
|---|---|
| G091028 | M1028S 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 Gold 5218R (20C/40T, 2.1 GHz up to 4.0 GHz, 125W, 27.5 MB Cache)
• Xeon 2nd Gen Gold 6250 (8C/16T, 3.9 GHz up to 4.5 Ghz, 185W, 35,74MB 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
2 x USB 2.0
2 x RJ45 10Gbe
1 x RJ45 IPMI LAN
Optional PCIe expansion
2 x M Key 2280
6 x SATA Ports
2 x SATA DOM
3 x PCIe x16

## TECHNICAL SPECS

**Dimensions**
1.7" (H) x 28.5" (L) x 17.2" (W)
1U

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

**Memory**
Type: DDR4 2933, ECC x 6
Recommended: 128GB
Max: 1.5TB

**Storage**
M Key 2280 x2
SATA 2.5" x 6
SATA 2.5" Removable x 6
SATA DOM x 2

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

RevM08232022

### BENEFITS

| Powered by Intel® single Xeon® Scalable Processors | 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 |
|---|---|---|---|---|

**Give Your Power Users a Blade Workstation Built to Run the Most Demanding CAD/CAM/GIS/3D Applications**

ClearCube's fully configurable single-socket M1028S 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" drivebays, dual or quad 1:1 PCoIP® hostcards 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 M1028S 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.  M1028S 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 M1028S 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