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

 I 1505 Volta Drive, Suite 100 Cedar Park, TX 78641 I Voice: 512.652.3500 I Fax: 512.652.3501 I www.clearcube.com

ClearCube® 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 Pascal or RTX GPUs, six hot-swappable 2.5” drive bays, dual or quad 1:1 PCoIP® 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.

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 integrit 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.

In CAD environments with heavy file transfer traffic, administrators can move large CAD files from the server to the M1028S in the datacenter using the built-in 10GbE Base-T ports and eliminates the need/cost/time/building code permits etc for having to run 10GbE infrastructure to the end points. With this configuration all the 10GbE runs from the workstation to the server can be short and done completely in the datacenter. All the runs to the desktop zero clients can be left intact as 1GbE.

Unparalleled Data and Intellectual Property Security

Protecting data and eliminating the chances of unauthorized access are two important considerations in enterprises these days. 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 datacenter. M1028S 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 every thing they need for safe and powerful deployments and performance.

Ordering Information: CALL 512.652.3500

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

TAA Compliant Assembled & tested in the USA

Supply Chain & Manufacturing | Command & Control Centers | Government Agencies | Financial Services | Training & Education | Healthcare & Medical Technology | Engineering & Design | Department of Defense | Digital Signage | Oil & Gas | Small & Medium Business | Media & Entertainment | IT & Data Centers | Call Centers