M1032W Blade PC WorkStation

Powerhouse PCoIP Engineering Workstation

ClearCube® M1032W 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.

The end result at the desk top for the CAD/CAM designer is a small footprint, secure, noiseless, high resolution zero client that supports 2560 × 1600 resolution at 60 frames per second. This zero client desktop device connects via IP over fiber or copper infrastructure to its dedicated 1:1 ClearCube M1032W host processing platform that is rack-mounted in a 1U space in the secure datacenter.

Benefits

-Faster performance across a broad range of design, animation and video applications	-Intel® Dual Xeon® processor E5-2600v3 family (up to 22 cores)	-For high-precision, data-sensitive applications	-Up to 256 GB DDR4 1866 MHz reg. ECC DIMM	-High-performance SSDs

Sentral Connection Broker

For design teams that cannot afford downtime, M1032W's unique additional advantage is offered by ClearCube Sentral Connection Broker software that provides blade and workstation pooling capabilities. By provisioning designated hot spare M1032Ws, Sentral can broker a connection from a zero client on the desktop to one or more standby resources in the datacenter (blade pooling) in the event of a primary resource failure. This valuable quick-return-to-service capability reduces the loss of expensive design time that may adversely impact time-critical schedules. Brokering software is also available using VMware Horizon.

TAA Compliant
Assembled & tested in the USA

teradici PCoIP®   vmware READY   Windows 10   Linux®   Microsoft Remote Desktop Protocol   CITRIX®

Blade PC Workstation
Model M1032W

Simple Management, Connection Brokering and More

M1032W contains both the high speed CPU/GPU processing and remote extension technologies. A single Xeon® 22-core processor with up to 256 GB DDR4 ECC RAM, and up to six hot swap drives are coupled to an NVIDIA® Quadro® P6000, the most powerful GPU in the NVIDIA® product line. For high-precision, data-sensitive applications, 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.

M1032W Blade PC Specifications

Form Factor	1U Rackmount
Chipset	Intel® C612
Processor	Intel® Xeon® processor E5-2600 v3/v4 family (up to 22 cores)
Memory Capacity/Type	288-pin DDR4 DIMM sockets: 1866MHz ECC DDR4 SDRAM x 8
	Supports up to 256 GB DDR4 ECC Registered memory (RDIMM)
DIMM Sizes	32 GB, 16 GB, 8 GB
Drives	Six
Connections	Intel® i350 Dual Port Gigabit Ethernet
	Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output
	USB 3.0 ×2
	RJ45: Gigabit Ethernet LAN ports ×2
	RJ45: Dedicated IPMI LAN port ×1
Conformal Coating Option	Secure management through Intel Active Management Technology v 9.1
	Intel Trusted Execution Technology (Intel TXT)
	Intel Advanced Encryption Standard New Instructions (Intel AES-NI)
GPU/Host Card Options	Quadro P1000 + Dual/Quad Host Card
	Quadro P2000 + Dual/Quad Host Card
	Quadro P4000 + Dual/Quad Host Card
	Quadro P5000 + Dual/Quad Host Card
	Quadro P6000 + Dual/Quad Host Card
	Note:
	Dual host cards can deliver up to two 1920 x 1200 or one 2560 x 1600 resolution monitors.
	Quad host cards can deliver up to four 1920 x 1200 or two 2560 x 1600 resolution monitors.
Storage	SSD 480GB SATA 6.0 MLC
	SSD 960GB SATA 6.0 MLC
	HDD 500GB 7200RPM 2.5" 32MB 7MM
	HDD 1TB 7200RPM 2.5" 32MB 9.5MM
	SSHD 500GB Hybrid SATA 6.0
	SSHD 1TB 5400 RPM SATA 6.0 64MB
Dimensions	1.7" (43mm) height x 17.2" (437mm) width x 28.5" (724mm) depth
Gross Weight	41.4 lbs. (18.8 kg)
Power Supply	1400 W AC power supply with Digital Switching Control and PMBus 1.2
AC Voltage	100-240 V, 50-60 Hz, 15 Amp max; 1200 W 100-140 V; 1400 W 180-240 V
Operating Temperature	10°C to 35°C (50°F to 95°F)
Operating Relative Humidity	8% to 90% (non-condensing)
Operating System	Microsoft® Windows 10
	No operating system (Linux® Ready)

Ordering Information

Call: (866) 652-3500 Email: sales@clearcube.com to order or for more information.

Model Name	Part Number
M1032W	GM1032W