



CoreStation CX6620

Dense compute node for Virtual Desktops and Virtual Applications

Benefits and Features

Key Features

- 2U Chassis with four independent compute nodes
- Dual 4th Gen Xeon Processors upto 112 total CPU cores
- Upto 4TB RAM in 16 memory channels
- Dual NVIDIA or Intel Datacenter and Workstation GPUs
- Fault tolerant power supplies, fans and local storage

Remote Access

- Integrates natively into existing deployments using VMware Horizon and Citrix
- Designed for hosting high-performance virtual workstations
- Use the same hardware platform for dedicated 1:1 users, high density Virtual Desktop and virtual app delivery

Management & Reliability

- Validated with ESXi, Citrix and KVM Hypervisors
- Built on the Enterprise Grade DELL PowerEdge C-class 16G platform
- Embedded hardware management and intelligent provisioning with iDRAC Enterprise
- Integrates with Dell OpenManage to administer and manage Workstations from one pane of glass
- Industry-standard APIs including Redfish and SNMP for integration with third-party systems

Virtual Workstation node with Dual Xeon 4th Gen CPUs in only 0.5U

Make the most of your valuable datacenter space

Amulet Hotkey CoreStation CX6620 is a dedicated remote workstation for enterprise users who want to keep their compute resource in the datacenter and need more performance than can be provided with virtualized desktop solutions. Running professional desktop operating systems directly on the hardware without a hypervisor, allows the user maximum flexibility and performance to use the workstation as they require, without the constraints of running within a virtual machine.

Leveraging the Dell PowerEdge C-class hardware, CX6620 is a modular workstation platform with four independent nodes in a 2U chassis with shared power and cooling. This enables deployment of dedicated workstations in just 0.5U rack space or up to 80 workstations in a modern datacenter rack.

Performance that scales for any workload

User groups and individuals' workloads vary in every business, creating different requirements from their workstations. CoreStation CX6620 is highly configurable and can meet those needs and requirements. Single or Dual Intel Xeon 'Sapphire Rapids' 4th Gen processors with up to 112 total cores, and 16 channels of DDR5 4800 memory, provide the performance to handle the most demanding sustained workloads and largest datasets. Whether you prefer to work locally using the internal NVMe Gen 5 SSDs, Hostway E3.S drives or over the network using bonded 25Gbit/s links to remote storage, CX6620 has a configuration which provides access to your data at the highest speed.

WorkStation graphics is provided by either single or dual NVIDIA RTX or Intel ARC Pro GPUs, depending on what best fits your application. Alternatively, CX6620 can be configured with Datacenter GPUs from NVIDIA and Intel for use with AI, CUDA or OpenCL processing, or for running hardware accelerated virtual machines for software development.

Easy to deploy, manage and maintain

If you are looking for a higher-performance companion to an existing VDI solution, CX6620 easily integrates with a wide range of existing remote session brokers including Citrix, Horizon and Leostream, avoiding the need to manage VDI and 1:1 users differently.

To maximize uptime and reduce the need for time-sensitive servicing, ECC memory, RAID 1 storage, fault tolerant-fans and power supplies allow the user to continue working, even in the rare event of a hardware failure.

Enterprise out-of-band management with Dell iDRAC makes it simple to install, setup, manage and maintain the workstation, even when deployed in a remote location with no easy access. Dell Open manage suite enables a whole deployment of CX6620 workstations to be managed together simplifying system updates, preventative maintenance and reducing downtime.





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EMEA Sales

+44 (0)20 7960 2400
emeasales@amulethotkey.com

N America Sales

+1 (212) 269 9300
ussales@amulethotkey.com

APJ Sales

+61 409 930 884
apsales@amulethotkey.com

Support

www.amulethotkey.com/support

Specifications

Form Factor	2U rackmount chassis with four individual compute nodes, 800mm depth
Processors	Dual 4th Gen Intel Xeon Scalable Processors, 8 to 112 cores total
Memory	Up to 16 DDR5 4800 MT/s ECC DIMMs, 2TB max capacity
Graphics	One or Two Datacenter or Workstation GPUs: NVIDIA L4 24GB Intel Flex 140 12GB NVIDIA RTX 4000 ADA SFF 20GB NVIDIA RTX A2000 12GB Intel Arc Pro A50 6GB
Operating Systems	Hypervisors - VMware ESXi 7.0, 8.0, Citrix Hypervisor, Ubuntu Server 22.04 LTS with KVM. Guest OS - Microsoft Windows 10/11 Pro, Ubuntu Desktop 22.04 LTS
Internal Storage	Internal M.2 NVMe Gen 3 boot drive upto 4TB with hardware RAID 1 Internal M.2 NVMe Gen 5 upto 8TB
Hot-swap storage bays	Two Hot-swap E3.S NVMe Gen 5 upto 30TB total
Networking	Dual 10G/25G network connections supporting copper up to 100m and fiber connections up to 10km Dedicated 1G Management network port
Embedded Server Management	Dell iDRAC Enterprise out-of-band management including browser based workstation management and centralized management tool for managing multiple systems.
Power Supplies	Dual Hot-Plug fault-tolerant or redundant power supplies shared between four nodes. Options for 110V/230V/277V AC and 240V/336V DC.
Power Consumption	500W - 1000W maximum per node, depending on configuration.
Operating Conditions	10°C to 30°C or higher ambient temperature, depending on system and node configuration

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