CORESTATION
AMULET HOTKEY

CoreStation for VDI

High Performance Digital Workspace Infrastructure

Features and Benefits

Key Features:

- 2U Chassis with up to four independent (0.5U each) compute nodes
- Dual 4th or 5th Gen Xeon CPUs up to 64 cores per CPU
- Up to 4TB RAM per node
- Dual NVIDIA or Intel datacenter class GPUs
- Fault tolerant power supplies, fans, and local storage

Designed for VDI

- Integrates natively into existing VDI environments
- Hardware GPU accelerated graphics capability
- Density optimized for scaling from 10's to 100's of users per compute node
- Flexibility: host desktops and management infrastructure from the same platform
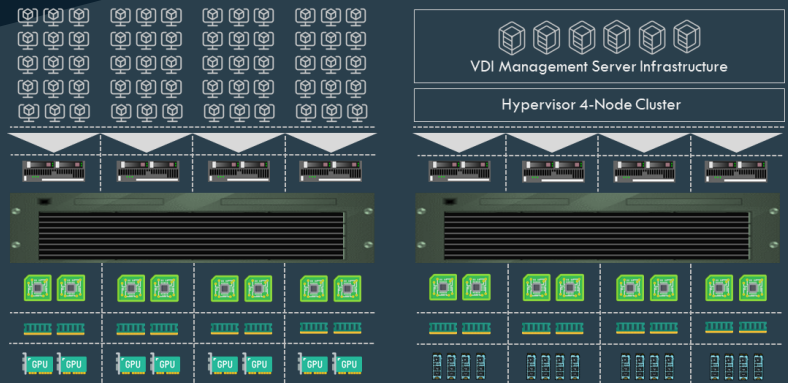
Management & Reliability

- Embedded hardware management and intelligent provisioning with iDRAC
- Single pane of glass with Dell OpenManage integration with Microsoft, Broadcom, ServiceNow, RedHat Ansible

Density and Performance Optimized Compute Nodes

Deliver VDI Desktops and Management form the same Platform

CoreStation for VDI CX provides a common scalable and flexible platform for deploying both virtual infrastructure to support virtual desktop machines as well as the management components required to build and provision virtual desktops and applications to end users.

Scalable, Flexible, and Density Optimized

Utilizing a 2U enclosure, CoreStation for VDI CX holds up to four compute nodes, each node configurable up to dual Xeon CPUs with up to 64 cores giving a total of 512 cores per 2U chassis. Add the ability to support up to 16TB of memory per chassis, depending on virtual desktop requirements, this enables you to potentially host hundreds of virtual desktops per 2U chassis.

To support graphically intensive workloads, CoreStation for VDI CX supports up to two NVIDIA or Intel datacenter GPU cards enabling high-end graphics performance capabilities.

To ensure the uptime, each CoreStation for VDI CX chassis supports dual power supplies, redundant fans, and RAID-based internal local storage.

To support virtual workloads (desktop and server), CoreStation for VDI CX compute nodes support virtualization solutions such as Broadcom VMware vSphere, Citrix XenServer, and KVM
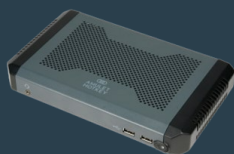
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Related Products

Enterprise Thin Clients

To connect to your remote workstation, your end users require a client device. Amulet Hotkey 5th Gen DX1500 and DX1700 clients deliver an end-to-end solution with a range of thin client devices built with the enterprise and security in mind.

- Intel U300, i3, or i5 CPU
- Up to 32GB RAM
- Up to 256GB flash storage
- Copper RJ45 or Fibre SFP
- Case tamper switches
- Agnostic OS support (Becrypt, IGEL, Stratodesk, Unicon, Windows 10, 11, and IoT, RHEL)

CoreStation for VDI CX Specifications

Component	Configuration Options
Form Factor	2U rackmount chassis with four individual compute nodes (800mm depth)
CPU	Up to two 4th or 5th Gen Intel® Xeon® CPUs up to 64 cores per CPU
Memory	Up to 5200 MT/s RDIMM with 16 x DIMM slots supporting up to 4TB
Storage	Up to 16 x 2.5-inch SAS/SATA/NVMe (HDD/SSD) drives max 61 TB
Graphics (GPU)	Up to two Datacenter-class GPUs (NVIDIA L4 or Intel Flex 140)
Networking	Intel or Broadcom OCP 3.0 network adapter up to Quad Port 10/25GbE Dedicated 1Gbps management network port
Internal Storage	Internal M.2 NVMe Gen 3 boot drive up to 4TB with hardware RAID 1 Internal M.2 NVMe Gen 5 up to 8TB
Hot-swap storage	Two hot-swap E3.S NVMe Gen 5 up to 30TB
Hypervisor Support	Broadcom VMware vSphere 7.0 and 8.0 (with VSAN) Citrix XenServer Ubuntu Server 22.04 LTS with KVM Microsoft Windows Server with Hyper-V
Embedded Management	Dell iDRAC Enterprise out-of-band management
Power Supplies	Dual hot-plug fault tolerant power supplies shared between nodes
Power Consumption	500W – 1000W maximum per compute node
Operating Conditions	10°C to 30°C higher ambient temperature

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Data Sheet

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