CORESTATION

CoreStation RX660

1U Dual Xeon Remote Workstation

Benefits and Features

Key Features

- 1U rackmount form factor
- Dual 4th or 5th Gen Intel Xeon CPUs upto 64 cores in total
- Windows 10/11 Pro Desktop Operating Systems
- NVIDIA RTX Professional GPUs
- Hot-swap, redundant power supplies, fans and local storage
- Out-of-band Enterprise Management

Remote Access

- Designed to meet the requirements of demanding always-remote users
- Integrates easily to existing systems using VMware Horizon, Citrix, HP Anyware or Microsoft RDP
- Configured to give the best remote working experience for your users
- Use the same hardware platform for dedicated 1:1 users, high denity Virtual Desktop and virtual app delivery

Management & Reliability

- Built on the Enterprise Grade Dell PowerEdge 16G platform
- Embedded hardware management and intelligent provisioning with iDRAC Enterprise
- Optimised airflow and closed-loop fan control to extend fan lifetime
- Integrates with Dell OpenManage to administer and manage Workstations from one pane of glass

Dedicated remote workstation for demanding parallel workloads

Performance that scales to any workload

User groups and individuals' workloads vary in every business, creating different requirements from their workstations. CoreStation RX660 is highly configurable to meet those needs and requirements. Single or Dual Intel Xeon 'Sapphire Rapids' 4th and 'Emerald Rapids' 5th Gen processors with up to 64 total cores and 32 channels of DDR5 memory with ECC, provide the performance to handle the most demanding sustained workloads and largest datasets.

Whether you prefer to work locally using the hot-swap front storage drives with RAID or over the network using 25Gbit/s links to remote storage, RX660 has a configuration which provides access to your data at the highest speed.

Workstation graphics is provided by NVIDIA RTX Professional GPUs, depending on what best fits your application. Alternatively, RX660 can be configured with upto two Datacenter GPUs from NVIDIA or Intel 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, RX660 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 storage, redundant power supplies and customised fan control 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 OpenManage suite enables a whole deployment of RX660 workstations to be managed together, simplyfing system updates, preventative maintenance and reducing downtime.

Flexibile and ready for anything

RX660 is a highly flexible workstation platform which can be configured to your business needs and is capable of full-performance operation in 27degC ambient temperature to suit deployment in anything from an HPC Datacenter to an end-of-hallway comms room. The front panel can be configured with hot-swap storage bays capable of housing upto 14 flash-based drives to provide more than 100TB of high performance local storage with 8GB battery-backed cache on the RAID controller to accelerate read and write access.

Dual-port 25Gbit/s network adaptors and an additional three PCIe x16 low-profile expansion slots enable configuration with Workstation or Datacenter GPUs from NVIDIA to meet the computing needs of your users.

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Support

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Specifications

Form Factor	1U rackmount workstation with redundant power and cooling, 790mm depth
Processors	Dual 4th or 5th Gen Intel Xeon Scalable Processors, 8 to 64 cores total
Memory	Up to 32 DDR5 4800 MT/s ECC DIMMs, 4096GB max capacity
Graphics	Workstation or Datacenter GPUs: NVIDIA RTX 4000 Ada SFF 20GB NVIDIA RTX A2000 6GB NVIDIA RTX A2000 12GB NVIDIA L4 24GB
Operating Systems and hypervisors	Microsoft Windows 10/11 Pro, WMware ESXi
Local storage	14x Hot-swap E3.S NVMe Gen 5 upto 7.6TB with RAID 5/6/10 or 10x Hot-swap 2.5in U.2 NVMe Gen 5 upto 7.6TB with RAID 5/6/10
Networking	Optional dual 10G/25G network connections supporting copper up to 100m and fiber connections up to 10km Dual 1G ethernet data network ports Dedicated 1G Management network port
Embedded Server Management	Dell iDRAC Enterprise out-of-band managment including browser based workstation management and celtralised management tool for managing multiple systems.
Power Supplies	Dual hot-swap fault-tolerant or redundant power supplies. Options for 110V/230V AC and -48/240V DC.
Power Consumption	700W - 1500W maximum, depending on configuration.
Operating Conditions	10°C to 27°C ambient temperature, compliant with ASHRAE Recommended datacenter range.

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