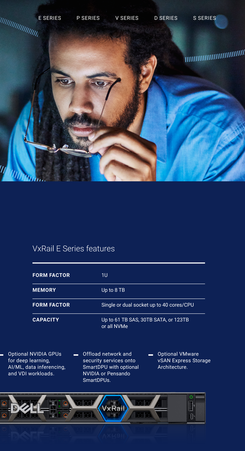
DELL Technologies

E SERIES | P SERIES | V SERIES | D SERIES | S SERIES



A curated Experience with Dell VxRail.

VxRail's broad portfolio offers maximum flexibility so you can choose the best platform to meet your performance, storage, graphics, IO, and cost requirements. No matter your workload, there is a VxRail configuration to meet your needs.

CORE TO EDGE DEPLOYMENT

VxRail E Series

The Everything Platform.
Use cases for the VxRail E Series include high-performance computing (HPC), virtual desktop infrastructure, artificial intelligence, machine learning, and in-memory databases.

VxRail E Series features

FORM FACTOR	1U
MEMORY	Up to 8 TB
FORM FACTOR	Single or dual socket up to 40 cores/CPU
CAPACITY	Up to 61 TB SAS, 307B SATA, or 123TB or all NVMe

- Cost-effective solution ideal for remote or space-limited environments.
- Intel® Xeon® Scalable processors or AMD EPYC processors.
- Optional NVIDIA GPUs for deep learning, AI/ML, data inferencing, and VDI workloads.
- Offload network and security services onto SmartDPU with optional NVIDIA or Pensando SmartDPUs
- Optional VMware vSAN Express Storage Architecture.

BUSINESS-CRITICAL WORKLOADS

VxRail P Series

The Performance Platform.
The VxRail P Series is perfectly suited to manage in-memory intensive database applications including SAP HANA workloads, high-performance computing (HPC), artificial intelligence, and machine learning.

VxRail P Series features

FORM FACTOR	2U
MEMORY	Up to 4 TB
FORM FACTOR	Single, dual, or quad up to 40 cores/CPU
CAPACITY	Up to 322 TB all-flash or up to 153 TB all NVMe

- Optimized for heavy workloads providing high availability and enhanced performance.
- 3rd Gen Intel® Xeon® Scalable Processors deliver 42% more cores and 166% increase in memory capacity.
- One to four-socket platform options.

- Optionally configurable with vSAN Express Storage Architecture.
- Offload network and security services onto SmartDPU with optional NVIDIA or Pensando SmartDPUs.

SPECIALISED USAGE

VxRail V Series

The Virtualization Extended Platform.
The VxRail V Series is a graphics-ready platform optimized for high-end 2D/3D visualization use cases and workloads, including Virtual Desktop Infrastructure, high-end graphical virtual workstations, GPU acceleration for deep learning training, inference and data science.

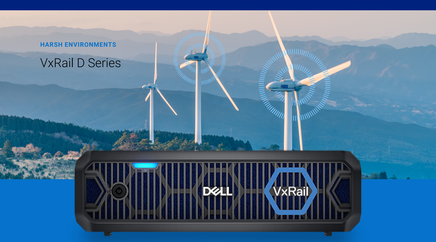
VxRail V Series features

FORM FACTOR	2U
MEMORY	Up to 4 TB
FORM FACTOR	Dual socket up to 40 cores/CPU
CAPACITY	Up to 161 TB All-flash SAS

- Support for up to six GPU cards for VDI or AI/ML use cases in a 2U form factor.
- Dual-socket configurations with Intel® Xeon® Scalable processors.
- Offload network and security services onto SmartDPU with optional NVIDIA or Pensando SmartDPUs.

HARSH ENVIRONMENTS

VxRail D Series



- Deployment flexibility - rack, stack, or mount it on a wall.
- Shock, vibration, and thermally rated for harsh environments – NEBS and MIL-STD certified.
- Smart lockable filtered bezel keeps dust out and alerts when filter change is needed.
- Temperature resilient: 23F to 131F.
- First and only vSAN HCI with embedded vSAN witness.[1]
- 36% less power than a standard 3-node cluster.[2]
- Intel Xeon D processor built for the edge.

The Durable Platform. The VxRail D Series, with a significantly smaller form factor, makes it ideal for space-limited locations and remote, harsh environments. Use cases include mobile command centers, retail POS systems, video surveillance, GPS mapping on the go, and Telco environments.

VxRail D Series features

FORM FACTOR	Standard 2U rack mount or flexible mount 2U chassis
MEMORY	Up to 512 GB
FORM FACTOR	Single socket up to 20 cores/CPU
CAPACITY	Up to 34 TB All NVMe

DEMANDING APPLICATIONS

VxRail S Series

The Storage Dense Platform.
The VxRail S Series is built for dense storage workloads where the storage capacity scales faster than CPU or memory. Use cases include applications such as Microsoft SharePoint, Microsoft Exchange, big data and analytics.

VxRail S Series features

FORM FACTOR	2U
MEMORY	Up to 4 TB
FORM FACTOR	Single or dual socket up to 40 cores/CPU
CAPACITY	Up to 144 TB NL SAS

- Single or dual socket options with Intel® Xeon® processors.
- Available with hybrid storage options to deliver a maximum capacity of 144 TB per node.
- Ideal for use with vSAN HCI Mesh to provide an economical storage option.
- Combine with vSAN File Services to deliver SMB and NFS file shares to users and applications.

Deployment Flexibility

VxRail dynamic nodes:
Compute only vSphere clusters enables independent scale of compute and storage based on workload needs.

VxRail dynamic nodes and PowerStore – better together:
Simplify operations by pairing VxRail dynamic nodes and PowerStore as Dynamic AppsON in a tightly integrated solution with automation and management integration.

VxRail satellite nodes:
A low-cost single node deployment option with the same VxRail automation, testing, optimization, unique lifecycle management, and deep VMware integration increasing operational efficiencies and standardization across edge locations.

Seamlessly Integrate next generation technology with the vxrail advantage.

Automated:
Automatically detect and add heterogeneous node types and generations.

Validated:
Ensure tested and optimized solutions for VxRail.

Integrated:
Non-disruptively implement VMware patches and upgrades.

Visit Dell.com/VxRail

vmware intel.

[1] Based on internal analysis, August 2022.

[2] Based on internal testing, VxRail VD-4000 2-node with witness vs VxRail 3-node single-socket E660F. Actual results may vary.

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