VxRail D560 / D560F

Ruggedized for extreme environments

Dell EMC VxRail D Series is a durable platform that delivers the full power of a VxRail system for workloads at the edge, in challenging environments or space-constrained areas. That means you have the full power of automation and orchestration with VxRail HCI System Software and 24x7 single point of support enabling you to rapidly react to business needs no matter the location and how harsh the conditions.

Whether you are deploying a data center at a forward operating base, running real-time GPS mapping on-the-go, or implementing video surveillance in remote areas, you can ensure availability, integrity and confidence for every workload with the new D Series model.

VxRail D Series

The D560 and D560F models are designed to withstand extreme conditions such as intense heat and cold, shock, vibration, dust, humidity and EMI.

With VxRail D series, both administrators and end-users gain a consistent environment from deployment and management, to user experience. The D Series offers the same compelling benefits as the rest of the VxRail portfolio – simplicity, agility, lifecycle management – but in a ruggedized, short-depth form factor that is temperature resilient, shock resistant, and easily portable.

VxRail Deployments

VxRail deployments deliver an experience that is flexible and simple. VxRail Manager, natively integrated with and accessed via vCenter, is the overall management engine for all VxRail operations to deploy, manage, upgrade, patch and add nodes to a cluster. VxRail's intelligent life cycle management keeps your clusters in a continuously validated state so you can rest assured that your workloads are consistently up and running regardless of where they are deployed.

Additionally, the VxRail HCI System Software suite includes cloud-based multi-cluster management for centralized data collection and analytics enabling you to monitor the health status of all your clusters around the globe from a single command center.

Extend the agility, scalability and simplicity of VxRail beyond the datacenter to space-constrained, remote, harsh environments without compromising on performance.

VxRail D560/D560F

Features	Technical Specification
Chassis	1U1N
Processor	Up to two 2nd Generation Intel® Xeon® Scalable processors, up to 24 cores per processor
CPU frequency	1.9 Ghz – 3.8 Ghz
RAM	64 GB – 1024 GB
Cache drive	800 GB – 1600 GB SAS
Hybrid storage	1.2 TB – 14.4 TB SAS
All Flash storage	1.92 TB – 46.1 TB SAS or 1.92 TB – 23 TB SATA
Drive bays	8 x 2.5"
Max disk groups	2
Max nodes (per cluster)	64
Min nodes (per cluster)	3 2 (Fixed deployment, with Direct Connect or Top of Rack networking)
Scaling increment (in nodes)	1
Connectivity option	2x25GbE SFP28, 2x10GbE SFP+, 2x10GbE RJ45
Management port	1x1 GbE iDRAC9 Enterprise RJ45
Additional connectivity	2x25GbE SFP28 2x10GbE SFP+ 2x10GbE RJ45 4x10GbE RJ45
High-efficiency dual redundant PSU	550W 100-240V AC, 600W 48V DC
Redundant cooling fans	Up to 6 fans
Heat dissipation	2891 BTU/hr
Certification	D560F is MIL-STD-810G certified
Physical dimensions	42.8 mm/1.68 in H 434 mm/17.09 in W 514.35 mm/20.06 in D 13.00 Kg/28 lb
Ambient operating temperature	5°C–45°C (41°F–113°F), with no direct sunlight on the equipment
Storage temperature range	–40°C–70°C (–40°F–158°F)
Operating relative humidity	5% to 85% relative humidity with 29°C (842°F) maximum dew point
Operating altitude with no deratings	MIL-STD-810G method 500.5, Proc. II, air carriage, 15,000 ft for 1 hour after stabilization
Operational shock	MIL-STD-810G method 516.6, Proc I, 40G, 11 ms, 3 shocks in +/- directions in 3 axes (total 18 shocks)
Operational vibration	MIL-STD-810G, Method 514.6, Annex D, Cat 21 1.04 Grms, 2-500Hz, Random Vibration per Figure 514.6D-9 with SSD
Operational blowing dust	Blowing dust at 25 °C, 6 hours

Learn more at DellEMC.com/VxRail