DELLEMC PowerEdge

POWEREDGE MX5016s

Dense, scale-out storage sled

The Dell EMC PowerEdge MX5016s direct-attached storage sled delivers flexible performance and capacity options within the PowerEdge MX architecture to address data-intensive workloads.

Scale dynamically to meet evolving workload demands

The Dell EMC PowerEdge MX consolidates compute, storage and networking in one trusted platform. The full-height, single-width MX5016s offers easy front access to quickly swap and add up to 16 2.5" HDDs or SSDs. Scale-out to 7 MX5016s sleds with up to 112 drives per chassis (plus up to an additional 6 internal server drives and two M.2 boot devices).

- Support diverse, data-heavy workloads such as SDS (vSAN), SQL, ERP and dense virtualization.
- Map individual drives to two-socket MX740c and four-socket MX840c servers.
- Configure your direct-attached SAS environment with PERC and HBA storage controller options.
- Help deliver high availability for your critical workloads with dual port 12Gb/s SAS, hot-pluggable drives and hot serviceable expanders.
- Assign the appropriate ratios of compute, storage and networking, then adapt as workloads change.

Simplify administration with unified management

Avoid complex storage administration with OpenManage Enterprise™ intelligent automation across the MX compute, storage and networking modules. The PowerEdge MX offers end-to-end lifecycle management and a single point authentication for all devices to increase team effectiveness and accelerate operations.

- Manage your servers, storage and networking from one console or RESTful API interface with OpenManage Enterprise - Modular Edition.
- Streamline administration with simplified set-up/updates and multiple at-the-box management options.

Deliver infrastructure and investment protection

The PowerEdge MX delivers a worry-free infrastructure with a future-forward architecture that is designed to protect, detect and quickly recover from cyber-attacks. Every PowerEdge server is built upon a cyber-resilient architecture with layers of security. The PowerEdge MX uses these security features so you can reliably and securely deliver data to your customers, no matter where they are.

- Provides investment protection for compute and storage with forward-compatibility.
- Ensures authentic firmware runs on critical components like HBAs, RAID and storage drives with cryptographic signatures.
- Leverages a secure supply chain that protects servers, storage and components from the factory to the data center.

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Highly flexible, dense storage sled that lets you optimize storage space with granular drive assignments

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Features	Technical Specification
Enclosure	PowerEdge MX Chassis
Form factor	Full height, single width, up to 7 MX5016s storage sleds per PowerEdge MX enclosure
Dimensions	Height: 250.2mm Width: 42.15mm Depth: 600mm Weight: 12kg maximum with all 16 HDDs installed.
Drive bays	Up to 16 x 2.5" SAS (HDDs/SSDs) in one storage sled. Up to 112 drives, 7 storage sleds within the PowerEdge MX chassis (plus 6 internal server storage drives).
Storage controllers	HBA330 mini-mezz (MMZ)- (on the connected server) PERC H745P MX- (on the connected server)
Power supplies	Power supplies and fans are provided by the PowerEdge MX chassis.
I/O & Ports	The MX5016s connects to the servers via the MX5000s SAS switch.
Systems management	• PowerEdge MX uses OpenManage Enterprise - Modular Edition to manage all servers, storage, and networking for multiple chassis in a single web console or RESTful API interface. • Manage multiple PowerEdge MX groups, rack servers, and legacy modular systems with OpenManage Enterprise. • Once mapped to servers, the drives are configured, monitored, and updated via the iDRAC with Lifecycle Controller.
OEM-ready version available	From bezel to BIOS to packaging, your servers can look and feel as if they were designed and built by you. For more information, visit Dell.com/OEM.
Recommended support	Dell ProSupport Plus for critical systems or Dell ProSupport for premium hardware and software support for your PowerEdge solution. Consulting and deployment offerings are also available. Contact your Dell representative today for more information. Availability and terms of Dell Services vary by region. For more information, visit Dell.com/ServiceDescriptions.

Learn more at DellEMC.com/PowerEdge

End-to-end technology solutions

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