POWEREDGE MX7000

Rack-based modular chassis for PowerEdge MX kinetic infrastructure

PowerEdge MX7000, uniquely designed to support new processor technologies, new storage types and fabric advances well into the future, provides the foundation for software-defined environments.

Dynamically scale and respond to changing needs

PowerEdge MX7000 hosts elastic compute and storage resources connected by a smart I/O fabric. Featuring an innovative design to accommodate streamlined transition to emerging technologies, the chassis delivers extensibility for evolving application requirements.

- Flexible 7U modular enclosure, with eight front-accessible slots, holds 2-socket single-width or 4-socket double-width compute sled and 12Gbps single-width storage sled combinations

- Low latency, cost-efficient 25Gb Ethernet, 12Gb SAS and 32Gb Fibre Channel I/O options

- Three I/O networking fabrics, two general purpose and one storage specific, each with redundant modules

- Scalable Fabric Architecture for multi-chassis networking up to 10 chassis

- Assured support for multiple future generations of server processor microarchitectures

Increase team effectiveness and accelerate operations

PowerEdge MX7000 includes comprehensive embedded systems management, Dell EMC OpenManage Enterprise – Modular Edition, which delivers key functions of OpenManage Enterprise management within the chassis for the entire environment – a single management point for compute, storage and networking. Deploy and monitor multiple chassis at once, roll-out changes and templates faster and integrate with third-party tools.

- Operational template methodology and comprehensive OpenManage RESTful API based on Redfish

- Flexible at-the-box Touchscreen LCD, wireless and traditional crash cart management options

- Remote server access with OpenManage Mobile application and the new Quick Sync 2 feature

- As with every PowerEdge server, embedded agent-free Integrated Dell Remote Access Controller (iDRAC)9 with Lifecycle Controller (LC)

Protect infrastructure and deliver investment protection

PowerEdge MX infrastructure embeds hardware and system-level security features to protect with a deep layer of defense and quick detection in order to recover, if breached. A Cyber Resilient Architecture extends across every aspect, including embedded firmware, data stored, the operating system, peripheral devices and management operations within.

- Security Development Lifecycle (SDL) model where security is an integral part of overall infrastructure design process and encompasses needs through the entire lifecycle

- Robust iDRAC APIs, such as WS-Man or RESTful API (compliant with Redfish standards) for automated deployment of hardware security features

- Aligns with key industry standards for cryptography and security such as NIST SP800-147B and UEFI Secure Boot

PowerEdge MX7000

- Modular chassis for PowerEdge MX, ideal for software-defined data center

- Extensible architecture accommodates scalable multi-chassis networking and future microprocessor, storage and fabric technologies

- Comprehensive OpenManage Enterprise – Modular Edition systems management

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Features	Technical Specification	
Power supply	Up to 6 3000W; PSU and grid redundancy support	
Fans	5 rear- and 4 front-accessible hot-swap fans	
Dimensions (LxWxD)	816.8mm (32.16 inches) x 482mm (18.98 inches) x 307.4mm (12.10 inches)	
Rack Units	7U	
Embedded mgmt	**MX7000 chassis:** OpenManage Enterprise Modular Edition (OME-Modular); running on up to 2 redundant MX9002m management modules Unified control: single management point for server, storage and networking Intelligent automation: Operational template methodology and comprehensive RESTful API Quick Sync 2 Bluetooth Low Energy (BLE)/wireless module option **On compute sled:** As every other PowerEdge server, the integrated Dell Remote Access Controller (iDRAC)9 with Lifecycle Controller (LC)	
Bezel		
OpenManage™ SW	OpenManage Enterprise OpenManage Essentials OpenManage Mobile (OMM) OpenManage Power Center (OMPC)	
Integrations & Connections	**Integrations:** Microsoft® System Center VMware® vCenter™ BMC Software (available from BMC) Ansible by Red Hat	**Connections:** Nagios Core and Nagios XI Oracle Enterprise Manager Microfocus Operations Manager (OM) and Operations Manager i (OMi) IBM Tivoli Netcool/OMNIbus
Security	TPM 1.2/2.0 (optional) Cryptographically signed firmware Silicon Root of Trust	Secure Boot System Lockdown (requires OpenManage Enterprise) System Erase
Embedded NIC		
Networking Options (NDC)	**Fabric options:** Up to 2 pairs of redundant general-purpose switch or pass-through modular bays (Fabrics A and B); redundant pair of storage specific switch bays (Fabric C) Up to 25GbE, 32Gbps Fibre Channel, 12Gbps SAS	
GPU Options		
Front Ports	2 USB 2.0 Type A or KVM control (keyboard and mouse only) 1 USB 2.0 Type Micro-AB direct management port 1 Mini Display Port connector for video Front buttons/indicators: Power button	System status LED Health icon Ambient temperature icon IOM icon Fan icon Stack/group icon ID button
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/itlifecycleservices.	
Dell Financial Services	Deliver results with easy financing. Explore financial options that move at the speed of business. For more information, visit Dellemc.com/global-financial-services.	

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End-to-end technology solutions

Reduce IT complexity, lower costs and eliminate inefficiencies by making IT and business solutions work harder for you. You can count on Dell for end-to-end solutions to maximize your performance and uptime. A proven leader in Servers, Storage and Networking, Dell Enterprise Solutions and Services deliver innovation at any scale. And if you're looking to preserve cash or increase operational efficiency, Dell Financial Services™ has a wide range of options to make technology acquisition easy and affordable. Contact your Dell Sales Representative for more information.**

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