

POWERSHIELD ME5 STORAGE

Storage designed for emerging businesses - without compromise

SIMPLE

Effortless storage solutions designed for easy use

FAST

Experience seamless, rapid data access

AFFORDABLE

Cost-effective storage, designed to fit any budget

AT A GLANCE

Powerful

- High-performance architecture optimized for speed (up to 800K IOPS), outstanding R/W bandwidth

DAS Options

- Validated with Dell PowerEdge Servers

Versatile

- Ideal for high-capacity workloads like CCTV, HPC, Virtualization, SQL DBs, VDI, Edge & more

All-inclusive

- All the software you'll need to store, manage, and protect your data.

Scalable

- Buy the capacity (up to 8PB) you need, then easily and affordably pay-as-you-grow

Management

- Advanced tools, Dell OME, Dell AIOps, monitoring, and APIs

Data Protection

- Snapshots, metro DR, intelligent drive updates, KMIP protection, SEDs, ADAPT RAID, Veeam 12.3 certified

Flexible

- Configure systems as All-Flash, Hybrid Flash or All-HDDs

Shaping Storage for Emerging Businesses

PowerVault ME5 redefines entry-level storage by delivering essential mid-to-high-end storage features and data services to Emerging Businesses. Designed for highly transactional workloads, PowerVault ME5 offers a powerful combination of performance, capacity, and simplicity, ensuring your business achieves its goals without compromising on quality or budget.

PowerVault ME5 outpaces its predecessor with substantial performance, capacity, and bandwidth improvements while maintaining a user-friendly experience. It reduces IT complexity, boosts performance, supports larger data volumes, and ensures data protection—all at a cost that aligns with the financial priorities of emerging businesses.

If your business needs raw power, scalable capacity, and absolute simplicity in a compact footprint, PowerVault ME5, available in 2U or 5U configurations, is the answer. Built with dual-active controllers, multi-core processors, and 99.999% availability, PowerVault ME5 merges flash performance with the affordability of disk storage, making it the ideal solution for transactional and high-value workloads.

A Perfect Pairing for Emerging Businesses

Pairing external storage with servers unlocks significant benefits for emerging businesses. By decoupling storage from servers, businesses can upgrade or maintain servers without data disruption, keeping data securely in place. PowerVault ME5 arrays, validated with Dell PowerEdge servers, provide a robust, scalable infrastructure that's simple and cost-effective.

Workload Versatility

Emerging businesses face challenges such as data growth, data protection, and tight budgets. PowerVault ME5 addresses these needs by supporting a diverse range of transactional and high-performance workloads, including:

- Microsoft SQL, Virtualization & VDI, High-Performance Computing
- Backup & Archiving, Edge Applications (Surveillance, Cloud Gaming, etc)



ME5212

ME5284

ME5224

Simplified Management Ecosystem

PowerVault ME5 simplifies management with:

- PowerVault Manager: An intuitive web-based tool for configuration, alerting, and remediation, included at no additional cost.
- Dell OpenManage Integration: Centralized, automated tools for managing your Dell infrastructure with ease.
- For businesses with Dell ProSupport Services, Dell AIOs is included at no additional cost. This cloud-based SaaS management tool helps teams interpret the data, reduce alert noise, identify the most critical issues, and predict potential failures speeding time to resolution of issues up to 10X² and saves IT administrators one workday per week on average.²

WORKLOAD EXAMPLES	MODEL	KEY FEATURES
Microsoft SQL	ME5012	High IOPS, fast transaction processing, compact 2U design
Virtualization/VDI	ME5024	Scalable performance, mid-sized 2U for dense VDI environments
HPC	ME5024	Multi-core processing, flash support, optimized for compute-intensive workloads
Backup and Archiving	ME5084	Large capacity, high density 5U design for cost effective data retention
Edge Applications	ME5084	Massive scalability, reliability, durability for Edge deployments
CCTV/Surveillance	ME5012	Compact size, high write endurance for continuous video capture



Built for Emerging Businesses with Big Ambitions

Designed to address the unique needs of highly transactional businesses, PowerVault ME5 delivers enterprise-class capabilities in a cost-effective, scalable, and easy-to-use package. It's the perfect storage solution to drive your business forward, today and into the future.

¹ Comparison to previous PowerVault ME4 generation

² Based on a Dell Technologies survey of Infrastructure Observability users conducted May through June 2021. Actual results may vary.

³ Data sheet reflects new PowerVault ME52XX model features



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