

Vault E5400

PRODUCT OVERVIEW

The Vector Data Vault E5400 is a NEBS Level 3 and ETSI certified high performance storage system that meets demanding performance and capacity requirements without sacrificing simplicity and efficiency. Based on NetApp's proven storage technology, the Vault E5400 is designed to address wide-ranging solution requirements. Its balanced performance is equally adept at supporting high-performance file systems, bandwidth-intensive streaming applications, and transaction-intensive workloads, and its fully redundant I/O paths, advanced protection features, and extensive diagnostic capabilities deliver the highest levels of availability, integrity, and security.

The Vault E5400 is an excellent solution for any media-rich applications network operators to deploy in today's data-driven world. It can be bundled into telco service offerings systems (for storing voice, email, audio and image files, streaming multimedia and more) and is ideal for rugged military settings to ensure data protection and availability during unexpected events.

With the release of the Vault E5400, Vector Data continues to provide network operators with a consistent storage product across their entire infrastructure including AC & DC powered and NEBS & non-NEBS facilities. As a NetApp OEM Partner, Vector Data supports the full suite of NetApp software on the Vault E5400.

Balanced Performance

The Vault E5400 storage system has balanced performance designed to support any workload. High-performance file systems and data-intensive bandwidth applications benefit from the E5400's ability to sustain high read and write throughput, while database-driven transactional applications benefit from its lightning-quick responsiveness and linear scalability. Regardless of the environment, the E5400 is designed to support maximum solution performance.

Modular Flexibility

The Vault E5400 offers multiple form factors and drive technology options to best meet requirements. The ultra dense 60-drive disk shelf supports up to 180TB in just 4U and is perfect for environments with vast amounts of data



and limited floor space. The 24-drive shelf combines low power consumption and exceptional performance density with its cost-effective 2.5" drives, and the 12-drive shelf is a great fit for cost conscious organizations that need to deploy both performance and capacity drives. All three shelves support Vault E5400 controllers, or can be used for expansion, enabling optimized configurations that best meet performance, capacity, or cost requirements.

Maximum Storage Density

Today's storage must keep up with continuous growth and meet the most demanding capacity requirements. Supporting 120TB of raw capacity and delivering up to 6GB/sec of sustained throughput, the 60-drive Vault E5400 storage system is purpose-built to address the needs of high-performance file systems and bandwidth-intensive streaming applications. Its compact 4U form factor maximizes storage density while reducing operational expenditures, and its fully redundant I/O paths, advanced protection features, and extensive diagnostic capabilities deliver high levels of availability and reliability.

KEY FEATURES

Performance Density

The Vector Data Vault E5400 brings together massive bandwidth performance and extreme density to create a system perfectly suited for data-intensive solutions.

Modular Flexibility

Three distinct shelves and four drive types allow custom configurations optimized to meet performance and capacity requirements.

Uptime All the Time

The Vector Data Vault E5400 is based on a field-proven architecture designed to provide high reliability and availability.

TECHNICAL SPECIFICATIONS

	E5460	E5424	E5412
Maximum Raw Capacity	1080TB	354TB	576TB
Maximum Disk Drives*	360	384	192
Form Factor	4U/60 drives	2U/24 drives	2U/12 drives
Drive Types Supported	3.5" 7.2K SAS(2TB/3TB) 2.5" SSD (200GB/800GB)	2.5" 10K SAS (600GB/900GB) 2.5" SSD (200GB/800GB)	3.5" 7.2K SAS(2TB/3TB) 3.5" 15K SAS (600GB)
Memory	12GB or 24GB		
I/O Interface Options	(8) 8Gb FC, (16) 8Gb FC, (4) 40Gb InfiniBand		
Expansion Disk Shelves Supported — Drive Offerings	DE6600 (4U/60 drives) — 200GB/800GB SSD; 2TB/3TB 7.2K SAS DE5600 (2U/24 drives) — 200GB/800GB SSD; 600GB/900GB 10K SAS DE1600 (2U/12 drives) — 600GB 15K SAS; 2TB/3TB 7.2K SAS		
OS Version	SANtricity 10.83		
High-Availability Features	Dual-active controller with automated I/O path failover Supports Dynamic Disk Pools and RAID levels 0, 1, 3, 5, 6, and 10 Redundant, hot-swappable storage controllers, disk drives, power supplies, and cooling fans Automatic drive failover and detection and rebuild using global hot spare drives Mirrored data cache with battery backup and destage to flash SANtricity Proactive Drive Health monitoring identifies problem drives before they create issues SANtricity Persistent Monitor makes periodic copies of the storage system configuration		
Operating Systems Supported	Windows Server® 2008, Windows® 7, Windows Vista®, Red Hat Enterprise Linux®, Novell SUSE Linux Enterprise Server, Apple® Mac® OS		
Software Features	Standard SANtricity Dynamic Disk Dynamic Volume Expansion Dynamic Capacity Expansion Dynamic RAID Level Migration Dynamic Segment Size Migration	Pools Persistent Monitor Proactive Drive Health Monitoring Nondisruptive Firmware Upgrades Media Scan w/Autoparity Check & Correction	Optional (Extended-Value Software): SANtricity Drive Encryption SANtricity Snapshot™ SANtricity Volume Copy SANtricity Remote Mirroring

*All models are capable of reaching 384 disk drives when configured with intermixed drive shelves. Maximum disk drives limited to 240 when using InfiniBand interface option.

Dimensions and Weight	E5460 System Shelf DE6600 Disk Shelf	E5424 System Shelf DE5600 Disk Shelf	E5412 System Shelf DE1600 Disk Shelf
Height	7.0" (17.78 cm)	3.47" (8.81 cm)	3.4" (8.64 cm)
Width	19" (48.26 cm)	19" (48.26 cm)	19" (48.26 cm)
Depth	32.5" (82.55 cm)	19.6" (49.78 cm)	21.75" (55.25 cm)
Weight	232 lb (105.2 kg)	57.32 lb (26 kg)	59.52 lb (27 kg)

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