

Vault E2600

PRODUCT OVERVIEW

The Vector Data Vault E2600 storage system is a NEBS Level 3 and ETSI certified high-performance solution designed to meet the storage intensive needs of telco central offices and military operations. With robust flexibility that makes it a great fit for wide-ranging requirements, its balanced performance is equally adept at supporting high-bandwidth and transaction-intensive workloads. Based on NetApp's proven storage technology, the Vault E2600's multiple disk shelf options enable custom configurations that can be optimized for any environment, and the Vault E2600's fully redundant I/O paths, advanced protection features, and extensive diagnostic capabilities deliver high levels of availability, integrity, and security.

The Vault E2600's flexibility makes it a great fit for wide-ranging requirements. Its balanced performance is equally adept at throughput for sequential I/O applications and IOPs to transactional databases. The Vault E2600's multiple enclosure options enable custom configuration that can be tailored for any environment. Its 24-drive shelf maximizes performance per U with low power utilization; while the 60-drive shelf supports up to 120TB for maximum rack density. The Vault E2600 offers interface flexibility as well. Its SAS interface is tailored for high-performance direct-attach solutions, and iSCSI and FC interface options enable the Vault E2600 to seamlessly integrate into any SAN.

The Vault E2600 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 E2600, 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 E2600.

Balanced Performance

The Vault E2600 storage system continues a heritage of balanced performance that can support any workload.



Data-intensive bandwidth applications benefit from the Vault E2600's ability to sustain high read and write throughput, while database driven transactional applications benefit from its responsiveness and linear scalability.

Modular Flexibility

Understanding that each site is different, the Vault E2600 offers multiple drive technologies and disk shelf options to meet requirements. Its 24-disk shelf maximizes performance per U while minimizing power consumption. For capacity-hungry environments, the 60-disk shelf maximizes rack density with support for up to 180TB in just 4U. The 12-disk shelf is a great fit for cost-conscious organizations that need to deploy both performance and capacity drives. All three shelves support Vault E2600 controllers or can be used for expansion, enabling optimized configurations that best meet performance, capacity, or cost requirements.

Interface Options

Today's infrastructures offer a wide variety of connectivity options, and the Vault E2600's interface flexibility fits right in. Its SAS interfaces provide a high-speed, low-latency connection tailored to high-performance direct-attach solutions. iSCSI and FC interface options enable the E2600 to seamlessly integrate into existing datacenters with established storage networks.

KEY FEATURES

Balanced Performance

Equally adept at throughput for sequential I/O applications and IOPs to transactional databases, the Vault E2600 is well suited for wide-ranging workloads.

Modular Design

Three distinct disk shelves allow custom configurations optimized to meet performance and capacity requirements.

Interface Flexibility

SAS host interface is tailored to high-performance, low latency server connections; iSCSI and FC interface options enable the Vault E2600 to seamlessly integrate into existing datacenters.

TECHNICAL SPECIFICATIONS

	E2660	E2624	E2612
Maximum Raw Capacity	540TB	172TB	576TB
Maximum Disk Drives*	180	192	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	4GB		
Onboard I/O	(4) 6Gb SAS		
Optional I/O	(4) 6Gb SAS, (8) 8Gb FC, (8) 1Gb iSCSI, (4) 10Gb iSCSI		
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

*Based on same form factor disk shelves. All models are capable of reaching 192 disk drives when configured with intermixed drive shelves.

Dimensions and Weight	E2660 System Shelf DE6600 Disk Shelf	E2624 System Shelf DE5600 Disk Shelf	E2612 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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