



NetApp®



Datasheet

NetApp E2600 Storage System

Affordable high-performance storage

KEY FEATURES

Balanced Performance

Equally adept at throughput for sequential I/O applications and IOPs to transactional databases, the NetApp® 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 E2600 to seamlessly integrate into existing datacenters.

Challenges

Organizations of all sizes are struggling to deliver consistent performance while meeting escalating capacity requirements and increasing space restrictions. For entry-level and midrange environments especially, these challenges must be met with minimal cost and complexity.

Solution

The E2600 storage system is a high-performance solution designed 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. The E2600's multiple disk shelf options enable custom configurations that can be optimized for any environment. And the E2600's fully redundant I/O paths, advanced protection features, and extensive diagnostic capabilities deliver high levels of availability, integrity, and security.

Balanced Performance

The E2600 storage system continues a heritage of balanced performance that can support any workload. Data-intensive bandwidth applications benefit from the 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 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. And 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 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 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.

E2600 Technical Specifications

All data in this table applies to dual-controller configurations.

	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	<ul style="list-style-type: none"> • 2.5" MLC SSD 200GB/800GB • 3.5" 7.2K SAS 2TB/3TB 	<ul style="list-style-type: none"> • 2.5" MLC SSD 200GB/800GB • 2.5" 10K SAS 600GB/900GB 	<ul style="list-style-type: none"> • 3.5" 15K SAS 600GB • 3.5" 7.2K SAS 2TB/3TB
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 10.80		
High-availability features	Dual-active controller with automated I/O path failover Supports 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		
Operating systems supported	Windows Server® 2003, Windows Server 2008, Linux®, VMware® ESX, Solaris		
Software features	Standard Dynamic volume expansion Dynamic capacity expansion Dynamic RAID level migration Dynamic segment size migration Persistent monitor Proactive drive health monitoring Nondisruptive firmware upgrades Media scan with autoparity check and correction	Optional Extended-Value Software: SafeStore encryption services SANtricity Snapshot™ SANtricity volume copy SANtricity remote volume mirroring	

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

Full-time storage administrators appreciate the extensive configuration flexibility that allows optimal performance tuning and complete control over data placement, and part-time system administrators love the intuitive interface and wizards designed to simplify their tasks.

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)

Max Power and Cooling	E2660 System Shelf	E2624 System Shelf	E2612 System Shelf
KVA	1.268	0.331	0.400
Watts	1222	330	399
BTU	4180	1127	1366

Max Power and Cooling	DE6600 Disk Shelf	DE5600 Disk Shelf	DE1600 Disk Shelf
KVA	1.268	0.241	0.276
Watts	1222	240	276
BTU	4180	821	945

Highly Reliability

With over 20 years of storage development experience, the E2600 is based on a field-proven design architected to provide high reliability and availability. Its redundant components, automated path failover, and online administration keep organizations productive 24x7x365. And the E2600's advanced protection features and extensive diagnostic capabilities deliver high levels of data integrity.

Intuitive Management

NetApp SANtricity® storage management software combines robustness and ease of use. Full-time storage administrators appreciate the extensive configuration flexibility, which allows optimal performance tuning and complete control over data placement,

and part-time system administrators love the intuitive interface and wizards designed to simplify their tasks. And with its dynamic capabilities, SANtricity software supports on-the-fly expansion, reconfiguration, and maintenance without interrupting storage system I/O.

Safestore Protection

When data is entrusted to your storage, protecting it is essential, and NetApp SafeStore technologies do just that. Optional NetApp SafeStore encryption services combine local key management and drive-level encryption for comprehensive data security so that data is protected throughout the drive's lifecycle without sacrificing storage system performance or ease of use.

About NetApp

NetApp creates innovative storage and data management solutions that deliver outstanding cost efficiency and accelerate business breakthroughs. Discover our passion for helping companies around the world go further, faster at www.netapp.com.

Go further, faster®

