

ES2000 DATASHEET

DATA SHEET

Simplify management and provide powerful scalability for demanding Surveillance applications

Key Features

Enterprise Storage Platform

ULTRASTOR® GEN4 platform delivers high performance, data center flexibility and powerful storage management features.

Flexible SAN Technology

Supports physical and virtual environments including VMware VAAI, Citrix and Hyper-V.

Easy to Manage

Configure and provision storage with easy-to-use browser-based system management.

DXE™ Hardware Acceleration

ULTRASTOR® ES2000 features hardware assisted data offload designed to boost performance at the system level.

Recommended for:

- Milestone Systems
- Digifort
- Axus Communications
- OnSSI
- Moxa
- VMware® vSphere 5
- Citrix® XenServer
- Microsoft Hyper-V
- Windows Server 2012
- SQL Database Applications
- Public/Private Cloud Services
- Archive & Backup Workflows
- Digital Asset Management
- Rich Media Workflows



Affordable SAN Storage

ULTRASTOR® ES2000 is an advanced iSCSI SAN storage solution for the small to medium business. Powered by Enhance Technology's GEN4 storage platform, the ES2000 is ready to meet the demands of today's mixed workload computing environments. ULTRASTOR® ES2000 integrates a host of new hardware & software features designed to accelerate IT efficiency while adding superior flexibility.

The ULTRASTOR® ES2000 offers over 50% more performance, enhanced system caching, greater scalability, VMware array integration (VAAI), ULTRASTOR DXE™ data offload technology and a lower cost of ownership over previous entry level models.

Value, performance and features

Reduce host CPU utilization, TCP overhead and latency with ULTRASTOR® ES2000 iSCSI & FC SAN storage arrays. ULTRASTOR DXE™ (Data Transfer Engine) accelerated data offload technology enables the high speed transfer of block-level I/O over a Gigabit or Fibre network – resulting in superior performance over traditional NAS file servers. ES2000 provides exceptional load-balancing capabilities by distributing bandwidth across multiple data ports for maximum IOPS in mixed workload applications.

Simple storage management

The ES2000 offers easy-to-use management tools for remote capable system administration and configuration. ULTRASTOR® ES2000's intuitive web based interface offers complete system management and monitoring capabilities via HTTP. Receive real time system notifications through email without additional software.

Data center reliability

ULTRASTOR® ES2000 delivers the highest level of reliability for critical enterprise applications. The ES2000 features a modular system design adding full hardware redundancy and field replaceable capabilities for continuous system up-time. A comprehensive service and support plan includes a standard 3-year warranty, 1st year Advance Replacement (ARP) and optional On-Site Support contracts for added investment protection.

Advanced storage platform

ULTRASTOR® ES2000 systems feature a 4th generation, hardware platform with powerful RAID core technology - resulting in greater performance when used in high I/O applications. Additionally, ULTRASTOR® ES2000 combines essential software features including Snapshots and dynamic online storage expansion.

ES2000 SERIES

DATA SHEET

Technical specifications

	ES2000P6	ES2000FS	ES2000JS
Max. Raw Capacity	768TB ^[1]	768TB ^[1]	768TB ^[1]
Max. Drives	192 ^[2]	192 ^[2]	192 ^[2]
Form Factor	Single Controller 16-Disk, 3 RU	Single Controller 16-Disk, 3 RU	Single Controller 16-Disk, 3 RU
Memory	4GB	4GB	-
Data I/O Ports	(6) RJ45, 1GbE iSCSI	(2) SFP, 16Gb/s FC (6) RJ45, 1GbE iSCSI	(2) SFF8088, 6G SAS
Disk Support	<ul style="list-style-type: none"> ● 2TB 7.2K SATA (3.5") ● 3TB 7.2K NL-SAS (3.5") ● 4TB 7.2K NL-SAS (3.5") ● 600GB 15K SAS (3.5") ● 900GB 10K SAS (3.5") 		
Storage Protocols	1GbE iSCSI	16G FC / 1GbE iSCSI	6G SAS
RAID & Volume	<ul style="list-style-type: none"> ● RAID level 0 (0+1), 3, 5, 6, 10, 30, 50, 60 ● Multiple array support ● Up to 2048 logical volumes ● Up to 64 disk drives per volume group ● Hot-swap drive support ● Global & dedicated spare drive assignment ● Non-disruptive online volume migration ● Online volume expansion 		-
Snapshot Features	<ul style="list-style-type: none"> ● Manual or Schedule ● Up to 1024 Snapshots ● Snapshot roll-back mechanism ● Writable Snapshots ● Volume or file-level restore 		-
Host Connections	Up to 64		
Host OS Support	Windows 2000, Windows Server 2003, Windows Server 2008, Windows Server 2012, Windows XP, Linux®, Red Hat Enterprise Linux, Solaris, VMware® vSphere, VMware® ESX, Mac OS X		
Hot-swap Power	(2) 550W, 80 Plus Gold, load-balancing, hot-swap power modules		
Power Requirements	100~240 VAC, 50Hz~60Hz 10.0A~5.0A, 50Hz~60Hz (each module)		
System Cooling	(2) Hot-swap smart fan modules		
Operating Temperature	50°F ~ 104°F		
Relative Humidity	5% ~ 95% Non-condensing		
Weight	106 lbs		
Dimensions	(L) 22.5" x (W) 19" x (H) 5"		
Compliance	RoHS, CE, TUV, FCC		



Learn more

Go to <http://www.ultrastor.com/> to find out more about ULTRASTOR® SAN products and solutions.

How to buy

Americas

Inside the US: (866) 537-5140
 Outside the US: (562) 777-3488

International

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^[1] Usable capacity will vary with filesystem, RAID settings and disk model ^[2] Based on maximum number of drives supported