

PS1200E Storage Array

A large capacity, enterprise performance system designed for data intensive deployments



PS1200E Storage Array

The PS1200E offers 28 TB of capacity, up to 1200 MB/sec, 240,000 IOPS within a standard 12U rack⁴ for data intensive environments including data warehousing, life sciences, large databases, streaming media, and geophysical applications.

Data services include:

- Auto-replication
- Automatic load balancing
- Auto-snapshot Manager¹
- Auto-stat Disk Monitoring System
- Multi-path I/O²
- PS Group Manager
- Snapshot and Auto-Replication Scheduler
- Storage virtualization
- Volume cloning
- Volume management
- Volume snapshot - (Up to 512 per volume, read-only and read/write)

Technical Highlights

Volumes	Up to 1,024
Snapshots	Up to 10,000
Hosts accessing group	Up to 256
Host interface	Any standards-compliant iSCSI initiator
Controllers	8
Disk capacity	500 GB*, 7,200 RPM
System ³ capacity	28 TB**
Number of drives	56
I/Os per second	240,000
Memory (battery-backed)	8 GB
Gb network interfaces	12
Copper (standard)	
Optical (SFP purchased separately)	
Sustained system bandwidth (MB/sec)	1200
Operating systems supported	Windows 2000, Windows Server 2003 NetWare, Windows XP, Linux, Solaris AIX, HP-UX, Mac OS X
Upgrade option	System can be online upgraded to PS2400E System can be combined with other PS systems in a single SAN

RAID Support

Automatic RAID 10 and RAID 50 configuration

Reliability

Redundant, hot-swappable controllers, power supplies, cooling fans, and disks

Mirrored write-back cache with 72-hour battery backup

Individual disk drive slot power control

Automatic spare configuration and utilization

SMART

Automatic bad block replacement

Auto-stat Disk Monitoring System (ADMS) to monitor health of data on disk drives

Management Interfaces

SNMP, telnet, SSH, HTTP, Web (SSL), host scripting

Serial console

Multi-administrator support

Security

CHAP authentication

Access control for iSCSI and management interfaces

Notification Methods

SNMP traps, e-mail, syslog

Power

Input voltage/Power	100-240 VAC (auto-sensing)/1800VA
Input current	16.0 amperes (maximum) @ 115 volts
Input frequency	50-60 hertz
Power supplies	(4) Dual 400 watts

Environmental

Operating temperature	41 to 104 degrees F / 5 to 40 degrees C
Storage temperature	-22 to 140 degrees F / -30 to 60 degrees C
Maximum altitude	10,000 feet
Relative humidity (operational)	8 to 90% non-condensing
Relative humidity (non-operational)	5 to 95% non-condensing
Thermal output	6000 BTU / hour, 1800 watts
Shock (operating)	30 G for 2ms
Vibration	.1 G @ 10 to 100 hertz

Physical

Height	21 inches / 53.34 centimeters
Width	17.625 inches / 44.77 centimeters
Depth	25 inches / 63.5 centimeters
Weight	324 pounds / 146.96 kilograms

Agency Approvals

Safety standards	UL 60950, CSA 60950, S Mark, EN 60950 (Europe), CB Scheme
Electromagnetic Compatibility (EMC)	EN 55022 Class A, CE Mark, EN 55024 Immunity, ITE, FCC Class A, VCCI Class A (Japan), AN/NZS 3548 Class A (Australia /New Zealand)

Limited Warranty

2 years, 1 year battery, 3 years disks
 5 x 9 telephone support
 1 year software updates
 90 days advanced parts replacement

Support Agreement Options

Basic	Next-day advanced hardware replacement, software updates, 24-hour access to Technical Support Center
Premium	Four-hour onsite advanced hardware replacement, software updates, 24-hour access to Technical Support Center

*1GB = 1,000,000,000 bytes, useable space may be less **1TB = 1,000,000,000,000 bytes, useable space may be less
¹Qualified for Microsoft Windows Server 2003 ²Qualified for Microsoft Windows Server 2000 and 2003
³This system could account for up to 4 members within a group. ⁴Rack not included



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