

# PS50E Storage Array

*Modular, easy-to-use system  
for affordable, as-you-need scalability*



## PS50E Storage Array

An unmatched entry point into an enterprise SAN, the PS50E provides an affordable option for organizations requiring a tactical storage solution with an eye towards future strategic growth.

Data services include:

- Auto-replication
- Automatic load balancing
- Auto-snapshot Manager<sup>1</sup>
- Auto-stat Disk Monitoring System
- Multi-path I/O<sup>2</sup>
- 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	1
Disk capacity	250 GB*, 7200 RPM
System capacity	1.75 TB**
Number of drives	7 (supports up to 14)
I/Os per second	60,000
Memory (battery-backed)	1 GB
Gb network interfaces	3
	Copper (standard)
	Optical (SFP purchased separately)
Sustained system bandwidth (MB/sec)	Up to 140
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 PS100E System can be combined with other PS systems in a single SAN

## RAID Support

Automatic RAID 10 and RAID 50 configuration

Automatic online RAID expansion on upgrade

## Reliability

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

Redundant, hot-swappable controller (optional)

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	100-240 VAC (auto-sensing)
Input current	4.0 amperes (maximum) @ 115 volts
Input frequency	50-60 hertz
Power supplies	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	2000 BTU / hour, 600 watts (maximum configuration)
Shock (operating)	30 G for 2ms
Vibration	.1 G @ 10 to 100 hertz

**Physical**

Height	5.25 inches / 13.33 centimeters
Width	17.625 inches / 44.77 centimeters
Depth	25 inches / 63.5 centimeters
Weight	81 pounds / 36.74 kilograms (maximum configuration)

**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  
 †Qualified for Microsoft Windows Server 2003

\*\*1TB = 1,000,000,000,000 bytes, useable space may be less  
 ‡Qualified for Microsoft Windows Server 2000 and 2003



9 Townsend West, Nashua, NH 03063  
 Tel 603.579.9762 / Fax 603.579.6910 / www.equallogic.com