

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 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 | 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/Power | 100-240 VAC (auto-sensing)/450VA |
| 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 | 1500 BTU / hour, 450 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

**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



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