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PS400E STORAGE ARRAY

With 10.5 TB of capacity within a 3U enclosure, the PS400E is an enterprise SAN delivering best-in-class performance while providing both primary and secondary storage for database, e-mail, print, file, and web service applications.

DATA SERVICES INCLUDE:

- Auto-Replication
- Automatic Load Balancing
- Auto-Snapshot Manager¹
- Auto-Stat Disk Monitoring System
- Volume Consistency Sets
- Multi-Path I/O²
- PS Group Manager
- Pooled and Tiered Storage
- RAID Load Balancing
- Snapshot and Auto-Replication Scheduler
- E-mail Home
- Storage Virtualization
- Volume Cloning
- Volume Management
- Volume Snapshot

TECHNICAL HIGHLIGHTS

| | |
|-----------------------------|--|
| Volumes | Up to 1,024 |
| Snapshots | 512 per volume / up to 10,000 total |
| Hosts accessing group | Up to 512 |
| Host interface | Any standards-compliant iSCSI initiator |
| Controllers | 2 |
| Disk capacity | 750 GB*; 7,200 RPM SATA II |
| System capacity | 10.5 TB** |
| Number of drives | 14 |
| I/Os per second | 60,000 |
| Memory (battery-backed) | 2 GB |
| Gb network interfaces | 3 |
| | Copper (standard) |
| | Optical (SFP purchased separately) |
| Sustained system bandwidth | 300 MBps |
| Operating systems supported | Windows® 2000, Windows Server 2003, Windows XP, NetWare®, Linux, Solaris™, AIX®, HP-UX, Mac OS® X, VMware® ESX |
| Expansion option | Can be combined with other PS systems in a PS Storage Stack |

RAID SUPPORT

Automatic RAID 5, 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

ENCLOSURE MONITORING SYSTEM

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



PS STORAGE STACK



PS Series storage arrays are stackable as multi-array system configurations for customized performance and capacity

POWER

| | |
|---------------------|-------------------------------------|
| Input voltage/power | 100-240 VAC (auto-sensing) / 450 VA |
| Input current | 4.0 A (maximum) @ 115 V |
| Input frequency | 50-60 Hz |
| Power supplies | Dual 400 W |
| Power consumption | 450 W |


ENVIRONMENTAL

| | |
|---------------------|--|
| Temperature range | 5 to 40 °C / 41 to 104 °F |
| Storage temperature | -30 to 60 °C / -22 to 140 °F |
| Altitude | -70 to 3,048 m operational / -305 to 12,192 m non-operational |
| Relative humidity | 20 to 80% non-condensing operational / 5 to 95% non-condensing non-operational |
| Thermal output | 1,500 BTU per hour, 450 W (maximum configuration) |
| Shock | 30 G for 2 ms operational / 30 g for 10 ms 1/2 sin non-operational |
| Vibration | .1 G @ 10 to 100 Hz operational / Random 1.04 grms 2-200 Hz non-operational |
| Acoustics | Sound Power Operating: <5.8 db LpA @ 20 °C |

PHYSICAL

| | |
|--------|---|
| Height | 13.33 cm / 5.25 in / 3 EIA units |
| Width | 44.77 cm / 17.625 in / 1EC Rack Compliant |
| Depth | 63.5 cm / 25 in |
| Weight | 36.74 kg / 81 lb (maximum configuration) |

AGENCY APPROVALS

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|-------------------------------------|---|
| 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) |
| C-Tick Compliance |  N 4292 |

LIMITED WARRANTY

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|---|
| 2 years telephone support: business hours 5x9 |
| 1 year software maintenance and updates |
| 2 years hardware (return to factory, first 90 days advance replacement, 1 year battery, 3 years on disks) |

SUPPORT PROGRAMS

| | |
|--------------------|---|
| Complete Care | 24-hour priority online/telephone access, software maintenance and updates, next business day advance hardware replacement |
| Complete Care Plus | 24-hour priority online/telephone access, software maintenance and updates, four hour onsite advance hardware replacement |

*1 GB = 1,000,000,000 bytes, useable space may be less

†Qualified for Microsoft Windows Server 2003

**1 TB = 1,000,000,000,000 bytes, useable space may be less

‡Qualified for Microsoft Windows Server 2000 and 2003, Linux and Sun Solaris Operating Systems



9 Townsend West, Nashua, NH 03063

Tel 603.579.9762 / Fax 603.579.6910 / www.equallogic.com