

PS SERIES SATA ARRAYS

INTELLIGENT iSCSI STORAGE



| SATA | PS50E | PS70E | PS100E | PS300E | PS400E |
|------------------------------------|--|---------------------------|---|---------------------------|---------------------------|
| 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 | 1 | 1 | 2 | 2 | 2 |
| Disk capacity* | 250 GB; 7,200 RPM SATA II | | 250 GB; 7,200 RPM SATA II | 500 GB; 7,200 RPM SATA II | 750 GB; 7,200 RPM SATA II |
| System capacity** | 1.75 TB | 3.5 TB | 3.5 TB | 7 TB | 10.5 TB |
| Number of drives | 7 (supports up to 14) | 14 | 14 | 14 | 14 |
| I/Os per second | 60,000 | | | | |
| Memory (battery-backed) | 1 GB | | 2 GB | | |
| Gb network interfaces | 3 | | | | |
| Copper (standard) | 3 | | | | |
| Optical (SFP purchased separately) | 3 | | | | |
| Sustained system bandwidth | Up to 140 MBps | Up to 300 MBps | | | |
| Operating systems supported | Windows® 2000, Windows Server 2003, AIX®, HP-UX, Mac OS® X, VMware® ESX | | | | |
| Upgrade option | PS70E or PS100E | PS100E, PS300E, or PS400E | PS300E or PS400E | PS400E | |
| Expansion option | Can be combined with other PS systems online | | | | |
| RAID SUPPORT | Automatic RAID 5, RAID 10 and RAID 50 configuration | | | | |
| RELIABILITY | Redundant, hot-swappable controllers, power supplies/cooling fans, and disks | | | | |
| | Write-back cache with 72-hour battery backup | | 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 | | | | |

PS STORAGE STACK



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

ABOUT EQUALLOGIC:

EqualLogic makes data storage systems that radically simplify the way mid-size and large businesses store and protect information. EqualLogic's award-winning PS Series storage area network (SAN) solution provides sophisticated management capabilities that reduce the time and money IT staff spend on storage.

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
- Roles-based Administration
- Storage Virtualization
- Thin Provisioning
- Volume Cloning
- Volume Management
- Volume Snapshot

PRODUCT SPECIFICATIONS

| | |
|--|---|
| 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 | AC voltage: 100-240 VAC ±10% single phase |
| | Frequency: 47-63 Hz |
| | Power factor: .90 (minimum) |
| | Power consumption: 400 VA (maximum) |
| | Heat dissipation: 1,200 BTU per hour (maximum) |
| | Power supplies: Dual 400 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 |
| | Shock: 30 G 2 ms operational / 30 g 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 | 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); BSMI (Taiwan) |
| | MIC (Korea) for PS50E, PS70E, PS100E and PS300E |
| C-Tick compliance N4292 | |
| CUSTOMER CARE SERVICES PROGRAMS | Complete Care Plus |
| | 24-hour priority online/telephone access, software maintenance and updates, 4-hour onsite advance hardware replacement; Secure Site option available for non-return of drives |
| | Complete Care |
| | 24-hour priority online/telephone access, software maintenance and updates, next business day advance hardware replacement; Secure Site option available for non-return of drives |
| | Limited Warranty |
| | 2 years telephone support (business hours 9AM-5PM EDT/EST USA); 1 year software maintenance and updates; 2 years hardware (return to factory, first 90 days advance replacement, pass through of drive manufacturer warranty) |

FOOTNOTES

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

¹Qualified for Microsoft Windows Server 2003

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

²Qualified for Microsoft Windows Server 2000 and 2003, VMware, Linux and Sun Solaris Operating Systems



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