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### PS3900XV STORAGE ARRAY

Equipped with sixteen 15,000 RPM SAS disk drives, the PS3900XV delivers maximum I/Os per second, providing high performance storage suitable for the intense I/O workloads of enterprise transactional databases.

#### DATA SERVICES INCLUDE:

- Auto-Replication
- Automatic Load Balancing
- Auto-Snapshot Manager<sup>1</sup>
- Auto-Stat Disk Monitoring System
- Volume Consistency Sets
- Multi-Path I/O<sup>2</sup>
- 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 SAS
Disk capacity	300 GB*; 15,000 RPM SAS
System capacity	4.8 TB**
Number of drives	16
I/Os per second	60,000
Memory (battery-backed)	2 GB
Gb network interfaces	3
Copper (standard)	
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**

AC voltage	100-240 VAC ±10% single phase
Frequency	47-63 Hz
Power factor	.98 (minimum)
Power consumption	530 VA (maximum)
Heat dissipation	1,700 BTU per hour (maximum)
Power supplies	Dual 450 W


**ENVIRONMENTAL**

Temperature range	5 to 35 °C / 41 to 95 °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 for 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	130 mm / 5.12 in / 3 EIA units
Width	482.6 mm / 19.0 in / 1EC Rack Compliant
Depth	551 mm / 21.7 in
Weight	35 kg / 77.6 lb (maximum configuration)

**AGENCY APPROVALS**

Safety standards	UL 60950, CSA 60950 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
BSMI	Taiwan

**LIMITED WARRANTY**

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, 5 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

<sup>1</sup> 1 GB = 1,000,000,000 bytes, useable space may be less<sup>2</sup> Qualified for Microsoft Windows Server 2003<sup>1</sup> 1 TB = 1,000,000,000,000 bytes, useable space may be less<sup>2</sup> Qualified for Microsoft Windows Server 2000 and 2003, Linux and Sun Solaris Operating Systems

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