EQUALLOGIC®
SIMPLIFYING NETWORKED STORAGE™

PS STORAGE STACK

The PS Storage Stack scales data management flexibility by combining multiple PS Series arrays in a single SAN. This configuration can be optimized to meet any service level and cost requirements.

DATA SERVICES INCLUDE:

• Auto-Replication
• Automatic Load Balancing
• Auto-Snapshot Manager[1]
• Auto-Stat Disk Monitoring System
• Volume Consistency Sets
• Multi-Path I/O[2]
• 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 to10,000 total
Hosts accessing group	Up to 512
Host interface	Any standards-compliant iSCSI initiator
Controllers	2 – 16
Disk capacity	GB* SATA options: 250, 500, 750
	GB SAS options: 146, 300
System capacity	3.5 – 84 TB**
Number of drives	14 – 112
I/Os per second	120,000 – 480,000
Memory (battery-backed)	2 – 16 GB
Gb network interfaces	3 – 24
Sustained system bandwidth	280 – 2,600 MBps
Operating systems supported	Windows® 2000, Windows Server 2003, Windows XP, NetWare®, Linux, Solaris™, AIX®, HP-UX, Mac OS® X, VMware® ESX

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

POWER

Input voltage/power	100-240 VAC (auto-sensing) / 1,200 – 4,800 VA
Input current	10 – 40 A (maximum) @ 115 V
Input frequency	50-60 Hz
Power supplies	4 – 16,450 W
Power consumption	1,000 – 4,800 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
Thermal output	4,000 – 16,000 BTU per hour / 4,800 W (maximum configuration)

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

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

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

[1]Qualified for Microsoft Windows Server 2003   [2]Qualified for Microsoft Windows Server 2000 and 2003, Linux and Sun Solaris Operating Systems

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