



2530

SPECIFICATION SHEET

Leading the way: Next-generation connectivity and flexibility.



spec

Built in Redundancy

- RAID 0, 1, 3, 5, 6, 10, 50
- Redundant, hot swap components
- AssuredSnap™ - Built-in snapshot capability
- AssuredCopy™ - Additional data protection with full volume copies
- Built-in schedule capability

Scalability and Performance

- Dual or single RAID controller or JBOD
- Data rates up to 3Gb/sec. Serial-attached SCSI
- 1.7TB base capacity that scales to 56TB (utilizing 1TB SATA drives)
- OS Support - Windows, Linux, Solaris

Environmentally Responsible / Lower TCO

- EcoStor™ - Economically and environmentally sound technologies
 - SimulCache™ - Low latency cache mirroring
 - Battery-free cache backup
- RoHS-5 and WEEE compliant
- Modular design protects your investment
- Enterprise-class features and functionality without the enterprise price

The 2530 features a 12-drive array housed in a 2 rack-unit (2U) enclosure providing two 3Gb SAS interfaces per controller to internal SAS or SATA-II disk drives. An internal SAS interface allows up to five disk enclosures (including the RAID enclosure) delivering a total of 56 drives. The 2530 adapts to a broad range of applications, and the capability to mix both SATA and SAS technology within a single disk enclosure provides an optimum tiered storage environment for Information Lifecycle Management.

Revolutionary connectivity, availability, quality and value

The 2530 uses revolutionary new SimulCache™ technology that instantly and simultaneously mirrors cache between RAID controllers, leading to significant performance improvements over traditional implementations. The use of RAID cache batteries has been completely eliminated with the introduction of super capacitors, providing infinite cache backup during a power loss while being environmentally friendly. AssuredSnap™ provides the 2530 with built-in volume snapshot capability allowing point-in-time copies that can be used to maximize business continuity. AssuredCopy™ creates a full volume copy (vs. a logical volume copy with AssuredSnap) providing additional protection against vdisk failure and eliminating application I/O contention when accessing the same data blocks.

Storage made easy

Easily configure and manage the 2530 with RAIDar, the intuitive Web Based Interface (WBI) which provides storage setup and monitoring without the need for host based software.

2530 SAS



EVOLUTION™
RAPID EVOLUTION

2530 Specifications

■ GENERAL

Product Family	2000 Series
Product Type	RAID, JBOD
Chassis Configuration	2U
Disk Architecture	3Gb SAS/3Gb SATA-II
Max Drives per Chassis	12 drives
Total Capacity	1.7TB/56TB (w/expansion chassis)
Total Disks	56
Mounting Options	19" Rack, Telco Rack, Rack tray
Max Number of Chassis	5 (1 RAID and 4 JBOD)
Max Capacity per Chassis	12TB (1TB SATA-II drives)
Data Management Services (DMS)	AssuredSnap™, AssuredCopy™

■ PROTOCOLS AND STANDARDS

ICMP (RFC 792, 950, 1256)	TCP (RFC 793)
IP (RFC, 894, 1092)	SCSI-2 and SCSI-3

■ HOSTS

Initiators	SAS (Serial-attached SCSI)
Interface Type	SAS SFF8088
External Ports	2/4 SAS (Single/Dual Controller)

■ DRIVES

Max Number of Drives	56
Drive Options	3Gb SAS 146GB 15K RPM 3Gb SAS 300GB 15K RPM 3Gb SATA-II 500GB 7200 RPM 3Gb SATA-II 750GB 7200 RPM 3Gb SATA-II 1TB 7200 RPM

■ RAID

Levels Supported	Non-RAID, 0, 1, 3, 5, 6, 10 and 50
RAID Type	Hardware
Cache Memory	1GB per controller
Cache Backup	Battery-free protection with super capacitors
Virtual disks per System	32
Volumes per virtual disk	256
Volumes per System	256 (ALUA - Asymmetric Logical Unit Access)
Mirrored Cache	Yes - SimulCache™
Super Capacitor Cache Backup	Yes
Cache Backup to Flash	Yes - Non-volatile

■ MANAGEMENT

Interface Types	Mini DB9 RS232, 10/100 Ethernet
Protocols Supported	SNMP, SSL, SSH, SMTP, SMI-S Provider
Management Consoles	WEB GUI, CLI
Management Software	RAIDar

■ POWER REQUIREMENTS

Input Power Requirements	100-240VAC, 50/60 Hz, 4.5-1.9A
Max Input Power	475W maximum continuous
Heat Dissipation	1622 BTU/hour

■ TEMPERATURE AND HUMIDITY RANGES

Operating Temperature	41°F to 104°F (5°C to 40°C)
Shipping Temperature	-40°F to 158°F (-40°C to 70°C) Note: Derate 2°C for every km, up to 3000 meters
Operating Humidity	10% to 90% RH @ 104°F (40°C), non-condensing
Non-Operating Humidity	Up to 93% RH @ 104°F (40°C) non-condensing

■ DECLARED ACOUSTIC NOISE LEVELS

Sound Power	<6.03B Sound Power
Sound Pressure	<55dBA Sound Pressure

■ SHOCK AND VIBRATION

Shock, Operational	5.0G, 10ms, half sine
Shock, Non-Operational	15G 11ms, half sine
Vibration, Operational	0.21Grms Random 5Hz to 500Hz flat spectrum/feed forward
Vibration, Non-Operational	0.5G 1 octave/minute 5Hz to 500Hz to 5 Hz sine sweep 0.5Grms Random 20Hz to-1000Hz flat spectrum

■ HIGH-AVAILABILITY FEATURES

Redundant Hot-Swap Controllers	Yes
Redundant Hot-Swap Disk	Yes
Redundant Hot-Swap Fans	Yes
Redundant Hot-Swap Power	Yes
Dual Power Cords	Yes
Hot Standby Spare	Yes
Automatic Failover	Yes
Multi-Path Support	Yes
Snapshot	Yes
Volume Copy with AssuredCopy™	Yes

■ REGULATORY

Safety	UL 60950-1:2003 (USA) CAN/CSA-C22.2 No.60950-1-03 (Canada) EN 60950-1 :2001 + A11 (EU) IEC 60950-1 :2001 (International)
Electromagnetic Compatibility	CFR 47 Part 15 Subpart B (U.S.A., Class A) ICES-003 Issue 4 (Canada, Class A) EN 55022 :98 +A1 +A2 (EU, Class A) EN61000-3-2:2000+A1,+A2,+A14 (Harmonics) EN 61000-3-3 :2001 (Flicker) EN 55024 :1998 +A1 (EU, Immunity) CISPR 22 :2005 (International, Class A) CISPR 24 :97 (International, Immunity)
RoHS and WEEE	RoHS-5 Compliance , China RoHS, WEEE
Country Approvals	Australia/New Zealand, Canada, China (PRC), European Union (EU), Germany (GS Mark), Japan, South Korea, Taiwan, United States

■ SUPPORT

Software Warranty	90 days
Standard Hardware Warranty	3 years
Environmental Monitoring	SNMP, CLI, RAIDar, SMTP, SMI-S Provider
Phone-home Capability	Yes
Remote Diagnostics	Yes
Non-disruptive Updates	Yes
Non-disruptive Volume Expansion	Yes for primary volumes and snapshot volumes

■ PHYSICAL

Height	3.5 Inches / 8.9cm
Depth (excluding cables)	23.7 Inches / 60.2cm
Width	17.6 Inches / 44.7cm
Chassis Weight	44lbs. / 19.96kg
Chassis (w/250GB drives) Weight	65lbs. / 29.48kg