



# 2730T

## SPECIFICATION SHEET

Next-generation storage for high performance applications.



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 4Gb/sec (high performance Fibre Channel Interface)
- 1.7TB base capacity that scales to 56TB (utilizing 1TB SATA drives)
- OS Support - Windows, Linux, SuSE, Solaris
- Modular design protects your investment
- Enterprise-class features and functionality without the enterprise price

### Environmentally Responsible / Lower TCO

- EcoStor™ - Economically and environmentally sound technologies
  - SimulCache™ - Low latency cache mirroring
  - Battery-free cache backup
  - DC power option
  - 1 terabyte energy-saving drives
- RoHS-5 and WEEE compliant

The 2730T features a 12-drive array housed in a 2 rack-unit (RU) enclosure providing 4Gb FC interfaces 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 2730T 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 performance, availability, quality and value

The 2730T 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 2730T 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 2730T with RAIDar, the intuitive Web Based Interface (WBI) which provides storage setup and monitoring without the need for host based software.

# 2730T



EVOLUTION®  
RAPID EVOLUTION

# 2730T 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 (with expansion trays) |
| 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™        |

## ■ MODELS

|               |  |
|---------------|--|
| Model Numbers | 2730 - 4Gb FC Interface<br>2730T - High performance 4Gb FC Interface |
|---------------|--|

## ■ HOSTS

|                 |   |
|-----------------|---|
| Supported Hosts | Up to 4 direct connected hosts, 2 or 4Gb FC |
| Interface Type  | FCP   |
| External Ports  | 2/4 Dual Controller                         |

## ■ DRIVES

|                      |   |
|----------------------|---|
| Max Number of Drives | 56  |
| Drive Options        | 3GB SAS 146GB 15K RPM<br>3GB SAS 300GB 15K RPM<br>3Gb SAS 450GB 15K RPM<br>3GB SATA-II 500GB 7200 RPM<br>3GB SATA-II 750GB 7200 RPM<br>3GB SATA-II 1TB 7200 RPM<br>3Gb SATA-II 1TB 5400 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     | 128   |
| Volumes per System           | 256   |
| Mirrored Cache               | Yes - SimulCache™                             |
| Super Capacitor Cache Backup | Yes   |
| Flash Cache Backup           | Yes - Non-volatile                            |

## ■ MANAGEMENT

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

## ■ POWER REQUIREMENTS - AC

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

## ■ POWER REQUIREMENTS - DC

|                  |                                 |
|------------------|---------------------------------|
| Voltage          | -39 to -72VDC, -48/-60V nominal |
| Max Input Power  | 500W maximum continuous         |
| Heat Dissipation | 1706 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<br>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 w/Assuredsnap         | Yes |
| Volume copy w/AssuredCopy      | Yes |

## ■ REGULATORY

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