



## Simple, reliable and affordable storage solution.

The Sun StorageTek 2540 array and Sun StorageTek 2530 array are ideal for primary and secondary storage within entry and workgroup application environments, and leverage Sun's expertise in data storage development to assure "best-of-breed" technology, reliability, and affordability. An affordable entry point into the Sun Modular family of arrays, the Sun StorageTek 2500 arrays utilize new-generation SAS point-to-point disk subsystem technology, allowing growing organizations to take advantage of improved performance and reliability at lower costs.

# Sun StorageTek™ 2500 Array Family At A Glance



StorageTek 2500 array	ST2540	ST2530
<b>Controller card</b>	Dual and single SAS RAID controller	Dual and single Fibre Channel RAID controller
<b>Cache size (with ECC protection)</b>	Up to 1 GB	Up to 1 GB
<b>Host interfaces/link speeds</b>	Three to six three Gb/s SAS host ports per controller tray	Two to four four Gb/s FC host ports per controller tray
<b>Other interfaces (FC or SAS)</b>	<ul style="list-style-type: none"> <li>Up to two 10/100 Base-T Ethernet</li> <li>Up to two-pin RS-232 ports serial ports per dual controller tray</li> </ul>	<ul style="list-style-type: none"> <li>Up to two 10/100 Base-T Ethernet</li> <li>Up to two nine-pin RS-232 ports serial ports per dual controller tray</li> </ul>
<b>RAID levels</b>	0, 1, (1+0) 3, 5	0, 1, (1+0) 3, 5
<b>Cache battery backup</b>	Up to 72 hours (depending on cache size)	Up to 72 hours (depending on cache size)
<b>Integrated data services</b>	<ul style="list-style-type: none"> <li>Sun StorageTek Data Snapshot (optional) – supports four snaps per volume, 128 per array</li> <li>Sun StorageTek Storage Domains – 2 domains included (optional) – four, eight, or 16</li> </ul>	<ul style="list-style-type: none"> <li>Sun StorageTek Data Snapshot (optional) – supports four snaps per volume, 128 per array</li> <li>Sun StorageTek Storage Domains 2 domains included (optional) four, eight, or 16</li> </ul>
<b>Dynamic capacity expansion</b>	Five to 36 drives – 365 GB to 10.8 TB	Five to 36 drives – 365 GB to 10.8 TB
<b>Expansion tray</b>	Up to two expansion trays	Up to two expansion trays
<b>Drive depopulation</b>	Scales from five to 12 hard disk drives per tray	Scales from five to 12 hard disk drives per tray
<b>Volume</b>	Up to 256 (32/host)	Up to 256 (32/host)
<b>Global hot spares</b>	Up to 15	Up to 15
<b>Maximum array capacity</b>	10.8 TB (300 GB SAS drives)	10.8 TB (300 GB SAS drives)
<b>Form factor</b>	3.5 in., low-profile	3.5 in., low-profile
<b>Interface</b>	Dual-ported SAS	Dual-ported SAS
<b>Supported drives/system per tray capacity: raw, unformatted SAS drives</b>	<ul style="list-style-type: none"> <li>73 GB 15,000-rpm three Gb/s, 876 GB per tray</li> <li>146 GB 15,000-rpm three Gb/s, 1.75 TB per tray</li> <li>300 GB 15,000-rpm three Gb/s, 3.6 TB per tray</li> </ul>	<ul style="list-style-type: none"> <li>73 GB 15,000-rpm three Gb/s, 876 GB per tray</li> <li>146 GB 15,000-rpm three Gb/s, 1.75 TB per tray</li> <li>300 GB 15,000-rpm three Gb/s, 3.6 TB per tray</li> </ul>
<b>Supported software</b>	<ul style="list-style-type: none"> <li>Sun Cluster Software 3.1 and 3.2</li> <li>VMware ESX 3.0.2 and higher</li> </ul>	<ul style="list-style-type: none"> <li>Sun Cluster Software 3.1 and 3.2</li> <li>VMware ESX 3.0.2 and higher</li> </ul>
<b>Management software support</b>	Sun StorageTek Common Array Manager — included	Sun StorageTek Common Array Manager — included



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<b>Operating system support</b>	<ul style="list-style-type: none"> <li>• Solaris Operating System 9, 10, and x86</li> <li>• Microsoft Windows 2003</li> <li>• Linux Red Hat 3.0, 4.0</li> <li>• SuSE Linux 8.0, 9.0</li> </ul>	<ul style="list-style-type: none"> <li>• Solaris Operating System 9, 10, and x86</li> <li>• Microsoft Windows 2003</li> <li>• Linux Red Hat 3.0, 4.0</li> <li>• SuSE Linux 8.0, 9.0</li> </ul>
<b>Host/HBA/FC switches</b>	HTTPS://extranet.stortek.com/interop/interop	HTTPS://extranet.stortek.com/interop/interop
<b>Multipath driver</b>	All HBAs supported in SAN 4.4.12	All HBAs supported in SAN 4.4.12
<b>Warranty duration</b>	One year	One year
<b>Phone support</b>	8 a.m.-8 p.m., Mon-Fri	8 a.m.-8 p.m., Mon-Fri
<b>On-site service</b>	Next business day, 8 a.m.-8 p.m., Mon-Fri	Next business day, 8 a.m.-8 p.m., Mon-Fri
<b>On-site response time</b>	Next business day, local business hours	Next business day, local business hours
<b>Other</b>	Additional support and extended on-site coverage available through Sun System Pack	Additional support and extended on-site coverage available through Sun System Pack
<b>Height x width x depth</b>	86.1 mm (3.39 in.) x 448.6 mm (17.66 in.) x 540 mm (21.26 in.)	86.1 mm (3.39 in.) x 448.6 mm (17.66 in.) x 540 mm (21.26 in.)
<b>Weight (maximum)</b>	59.55 lbs.	59.55 lbs.
<b>AC power</b>	.515 watts, (+ 5 V @ 19 A/+12V @ 35 A)	.515 watts, (+ 5 V @ 19 A/+12V @ 35 A)
<b>Operating temperature</b>	10°C to 40°C (50°F to 104°F), without battery 10°C to 35°C (50°F to 95°F) with battery	10°C to 40°C (50°F to 104°F), without battery 10°C to 35°C (50°F to 95°F) with battery
<b>Operating relative humidity</b>	20-80 percent noncondensing	20-80 percent noncondensing
<b>Operating altitude</b>	68.3 kPa (3,200m), 40°C, four-hour dwell <sup>1</sup>	68.3 kPa (3,200m), 40°C, four-hour dwell <sup>1</sup>
<b>Operating shock</b>	5.5 Gs, 11 ms, half-sine, 10 shocks per direction, all six directions	5.5 Gs, 11 ms, half-sine, 10 shocks per direction, all six directions
<b>Operating vibration</b>	All three axes: 0.25 Gs, five to 500 Hz, swept-sine, five sweep cycles, one octave per minute	All three axes: 0.25 Gs, five to 500 Hz, swept-sine, five sweep cycles, one octave per minute
<b>Heat output</b>	460 watts (1,571 BTU/hr.)	460 watts (1,571 BTU/hr.)
<b>Nonoperating temperature (storage)</b>	-10°C to 50°C (-14°F to 122°F) without battery -10°C to 45°C (-14°F to 113°F) with battery (three-month maximum)	-10°C to 50°C (-14°F to 122°F) without battery -10°C to 45°C (-14°F to 113°F) with battery (three-month maximum)
<b>Nonoperating temperature (transit)</b>	-40°C to 60°C (-40°F to 140°F) without battery -20°C to 60°C (-4°F to 140°F) with battery (one-week maximum)	-40°C to 60°C (-40°F to 140°F) without battery -20°C to 60°C (-4°F to 140°F) with battery (one-week maximum)
<b>Nonoperating humidity (storage)</b>	10-90 percent, max dew point is 26°C (79°F), 10 percent per hour gradient	10-90 percent, max dew point is 26°C (79°F), 10 percent per hour gradient
<b>Nonoperating humidity (transit)</b>	5-95 percent, max dew point is 26°C (79°F), 10 percent per hour gradient	5-95 percent, max dew point is 26°C (79°F), 10 percent per hour gradient
<b>Nonoperating altitude</b>	18.8 kPa (12,200m), 0C, four-hour dwell <sup>1</sup>	18.8 kPa (12,200m), 0C, four-hour dwell <sup>1</sup>
<b>Nonoperating shock</b>	<ul style="list-style-type: none"> <li>• 20 G, 8.0 msec square wave in each direction along x, y, and z axis</li> <li>• 33 Gs, 11 msec, half-sine, three shocks per direction, all six directions</li> </ul>	<ul style="list-style-type: none"> <li>• 20 G, 8.0 msec square wave in each direction along x, y, and z axis</li> <li>• 33 Gs, 11 msec, half-sine, three shocks per direction, all six directions</li> </ul>
<b>Nonoperating vibration</b>	All three axes: 1.2 Gs, five to 500 Hz, swept-sine, five sweep cycles, one octave per minute	All three axes: 1.2 Gs, five to 500 Hz, swept-sine, five sweep cycles, one octave per minute
<b>Safety and emissions</b>	FCC Class A VCCI Class A, EN55022 Class A, EN 55024 UL BSM, C-Tick RoHS WEEE-C-Tick RoHS WEEE	FCC Class A VCCI Class A, EN55022 Class A, EN 55024 UL BSM, C-Tick RoHS WEEE-C-Tick RoHS WEEE

<sup>1</sup> Commencing upon product reaching temperature stability.