

Sun StorEdge™ 6130 Array



Advanced data protection for budget-conscious enterprises

Robust data protection

Integrated data services maximize application availability. Sun StorEdge™ Data Snapshot is ideal for backups because it lets you create real-time copies of critical volumes with minimal disruption to applications. Sun StorEdge™ Data Volume Copy enables you to quickly and securely duplicate full volumes, making it ideal for data mining, analysis, or enhanced backup operations.

Simplified, application-oriented management

Sun StorEdge™ Storage Pool Manager makes it easy to manage multiple arrays, and Storage Profiles enable you to quickly and predictably provision storage to precise application demands. Built-in performance tracking helps optimize performance by enabling granular visibility of critical array statistics. And the Sun StorEdge 6130 array's health and diagnostics utility minimizes downtime through predictive, preemptive maintenance and automated diagnostics.

Round-the-clock availability

Robust, fully redundant architecture keeps your business up and running around the clock. Extensive RAS features, including online reconfiguration and performance tuning, hot-swappable components, automated path failover, and non-disruptive firmware upgrades, ensure availability. Individual drive isolation speeds problem resolution for improved diagnostics. Point-to-point (switched) SBOD drive connectivity enables seamless scalability and pin-point control over backend operations for more responsive applications.

Designed for business-critical applications, such as e-mail, ERP, and e-commerce, the Sun StorEdge™ 6130 array provides advanced data protection, round-the-clock availability, and application-oriented management. This enables you to meet the challenges of lengthy backup windows, massive data growth, and regulatory compliance. The array's modular, pay-as-you-grow scalability and broad flexibility enable you to grow with the application, lowering acquisition and expansion costs. And with online scalability of up to 112 disk drives, the Sun StorEdge 6130 array easily satisfies the most demanding application requirements. To ensure data is always available to applications and users, these arrays also come with data services, such as Sun StorEdge™ Data Snapshot and Sun StorEdge™ Data Volume Copy, which help keep data accessible and increase business uptime. The centralized management utility provides provisioning by application with a single, easy-to-use interface across all storage systems, lowering management costs and enabling centralized administration from anywhere. What's more, the array's Storage Profiles and pooling capabilities enable maximum utilization of your storage capacity, complete control of your rapidly growing storage environment, and the highest data protection.



Sun StorEdge™ 6130 Array Specifications

Controller Tray

Controller Card	Dual Fibre Channel RAID Controller Card
Interfaces (per controller tray)	(4) 2Gbit/s LC-SFF Fibre Channel host ports tray (2) 2Gbit/s copper Fibre Channel expansion ports (2) RJ45 10/100 Base-T network connector
RAID level	0, 1, 3, 5, and 1+0
Cache size	2-GB data cache with ECC protection
Cache battery backup	Up to 72 hours
Integrated Data Services/ Premium Features	Sun StorEdge™ Data Snapshot (Optional) Sun StorEdge™ Data Volume Copy (Optional) Sun StorEdge Storage Domain (8 Standard) (Upgrade to 16 or 64, optional)
Dynamic Capacity Expansion	Up to seven FC-SBODs or SATA Expansion trays
Dynamic Reconfiguration	Volume Expansion, RAID Migration, Capacity Expansion, Segment Size migration, Volume and Virtual Disk reconfiguration, controller firmware upgrades
Drive Depopulation	Scales from 5 to 14 hard disk drives
Volumes	Up to 1024
Global hot spares	Up to 15

Disk Drives

Form factor	3.5-in., low profile
Interface	Dual ported Fibre Channel

Supported Drives

Fibre Channel drives	73GB 10,000 rpm 73GB 15,000 rpm 146GB 10,000 rpm
SATA drives	400GB 7,200 rpm (expansion tray only)

System Capacity

Maximum Tray Capacity	73GB 10,000 rpm-FC drives 1022 GB per tray (3RU) 73GB 15,000 rpm-FC drives 1022 GB per tray (3RU) 146GB 10,000 rpm-FC drives 2044 GB per tray (3RU) 400GB 7,200 rpm-SATA drives 5600 GB per tray (3RU)
System Capacity	Scales from 5 to 112 drives (365GB to 41.2TB)

Supported Software

Sun StorEdge™ Performance Suite with Sun StorEdge™ QFS Software 4.0, or later
Sun StorEdge™ Utilization Suite with Sun StorEdge™ SAM-FS Software 4.0, or later
Sun StorEdge™ Traffic Manager(SSTM) 4.6 for multipathing management
Sun™ Cluster 3.0, update 3, or higher
Sun StorEdge™ Enterprise Backup Software (EBS) 7.1 and later
Solstice™ DiskSuite™ 4.2.1 (in conjunction with Solaris® 8 Operating System)
Storage Automated Diagnostic Environment 2.4
Solaris™ Volume Manager (embedded in Solaris 9 Operating System)
VERITAS™ NetBackup (NBU) 5.0/5.1, or later
VERITAS™ Volume Manager with DMP (VxVM) 3.5 or later
VERITAS™ File System (VxFS) 3.5, or higher
VERITAS™ Storage Foundation 4.0

Management Software Support

Sun StorEdge Configuration Service software (included)

Operating System Support

Solaris Operating System, 8 update 4, 9 base and higher
Microsoft Windows 2000 Server and Advanced Server (SP4)
Microsoft Windows 2003 Server Standard, Enterprise, and Web Editions
HP-UX 11.0 and 11.1
IBM AIX 5.2
Linux AS/WS Enterprise Edition 2.1/3.0 32-bit/64-bit
Linux ES Enterprise Edition 2.1 32-bit
SuSe Linux LES 8.X (32 and 64 bit)
Netware 6 SP4, Netware 6.5 SP1.1
SGI IRIX 6.5.22

Host Connectivity

Host/HBA/FC switches	Sun SAN 4.4.2 or later
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Warranty/Service

Warranty	Sun three-year warranty with Same Business Day, four business hours* on-site service response, local business hours coverage, 24x7 phone support
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*Average response times

Dimensions

Height	13.2 cm (5.21 in.)
Width	44.5 cm (17.6 in.)
Depth	56.1 cm (22.1 in.)
Weight (maximum)	43 kg (95 lb.)

Power Requirements

AC Power (Controller Tray)	2.9 A max. operating @100 VAC (90-136 VAC range), 50/60 Hz 1.5 A max. operating @240 VAC (198-264 VAC range), 50/60 Hz
AC Power (Expansion Tray)	3.2 A max. operating @100 VAC (90-136 VAC range), 50/60 Hz 1.4 A max. operating @240 VAC (198-264 VAC range), 50/60 Hz

Environment

Operating Temperature	5° to 40°C (41° to 104°F)
Relative humidity	10% to 90% noncondensing
Altitude	100 ft (30.5 m) below sea level to 9,840 feet (3,000 m)
Shock	5 G, 11 ms half-sine
Vibration	0.20 G, 5 to 500 Hz sinusoidal
Heat output	390 Watts (1331 BTUs/hr)

Regulations

Safety and Emissions	IEC 60950, EN 60950, UL 60950, UL 1950, FCC Part 15 (47CRF15B), CISPR 22 (EN55022 RF Radiated and Conducted Emissions), IEC 61000-3-2, IEC 61000-3-3
Immunity	CISPR 24 (EN55024), IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11

Get the details.

For more information on this product, go to:

www.sun.com/storage/midrange/6000/6100/6130/