

Proven performance, reliability, and versatility for demanding workgroup storage environments.

Sun StorEdge™ A1000/D1000 Arrays

HIGHLIGHTS

- Cost effective storage solution for reducing your total cost of ownership.
- Fully interoperable. Compatible with Sun StorEdge™ Availability, Utilization, Performance and Resource Management Suites software.
- Up to 436 GB of storage (12 x 36-GB) in a single Sun StorEdge™ A1000/D1000 array.
- Up to 3.92 TB (nine Sun StorEdge A1000/D1000 arrays) in a single rack cabinet.
- Sun StorEdge A1000 array—hardware RAID controller with dedicated 70 MIPS processor and up to 80 MB of cache memory.
- Two-node Sun™ Cluster support.
- Dual redundant hot-swap fans and power supplies.
- Single- and dual-channel SCSI backplane configurations.
- RAID levels of existing LUNs to be reconfigured dynamically. (A1000 only).

The Sun StorEdge™ A1000/D1000 arrays offer performance and flexibility for a wide variety of workgroup computing environments. From simple deskside units to high-capacity RAID cabinets capable of supporting close to 4 TB of storage, the Sun StorEdge A1000/D1000 arrays will meet your continually growing storage requirements. Designed for high data integrity and availability, the Sun StorEdge A1000/D1000 arrays provide full RAID functionality. The Sun StorEdge D1000 array is available with cost-efficient server-based software RAID, while the Sun StorEdge A1000 array has a dedicated processor managing and controlling all RAID functions. For fast growing, I/O intensive networks, the Sun StorEdge A1000/D1000 arrays provide proven performance, reliability, and versatility that will easily support your demanding storage requirements.

A cost-effective, compact, and flexible storage array for your workgroup environments.



Purchase these products from the Sun™ Store, sun.com/store, or contact an authorized Sun reseller near you.

SUN STOREDGE™ A1000/D1000 ARRAYS SPECIFICATIONS

HOST SYSTEM INTERFACE

Single-port	SBus card	X1065A
Dual-port	PCI card	X6541A
Dual-port	cPCI card	X6749A

ULTRASCASI, DIFFERENTIAL INTERFACE

Standard	ANSI (x3.131-1994, x3.277-1996)
Maximum length	12 m

SOFTWARE

	Sun StorEdge™ Availability Suite Software
	Sun StorEdge™ Utilization Suite Software
	Sun StorEdge™ Performance Suite Software
	Sun StorEdge™ Resource Management Suite Software

A1000 only	RAID Manager 6.22 software (graphical user interface) Sun Cluster 2.2 software
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D1000 only	Solstice DiskSuite™ 4.2.1 or greater software Veritas Volume Manager 2.4 or greater software Sun™ Cluster 2.2 and 3.0 software
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DISK DRIVES

Form factor	3.5 in., low profile UltraSCSI
Interface	UltraSCSI
Supported drives	18.2 GB, 10,000 36.4 GB, 10,000

CONFIGURATIONS

Workgroup	Up to 12 (1.0 in.) hot-swap, UltraSCSI drives Two hot-swap, high-reliability power supplies Four variable-speed, hot-swap fans One HW RAID controller or one interface card (SW RAID)
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Data center	Up to nine arrays (with 18.2-GB or 36.4-GB drives) Sun Enterprise™ expansion cabinet
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RELIABILITY, AVAILABILITY, SERVICEABILITY (RAS)

Redundancy	Power supplies Variable speed fans
High availability	RAID 0, 1, 1+0, 3, 5
Battery backed-up cache	Minimum 72-hour hold time (24-80 MB)
Online serviceable	AC/DC power supplies Variable speed fans UltraSCSI disk drives

ELECTRICAL SPECIFICATIONS

Input voltage	100-240 VAC, single phase
Power requirements	90-132 VAC (50-60 Hz) or 180-264 VAC (50-60 Hz)
Input current	5 A at 100 VAC or 2.5 A at 200 VAC

ENVIRONMENTS

Workgroup	
Operating	5° C to 40° C (41° F to 104° F) 20% to 80% relative humidity, noncondensing
Altitude	-30 m to 3048 m (-100 to 10,000 ft.)
Vibration	1.0 G, 5-500 Hz swept-sine
Shock	15 Gs, 11-ms, half-sine

Nonoperating	-20° C to 60° C (-4° F to 140° F) 93% relative humidity, noncondensing
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Altitude	-30 m to 3048 m (-100 to 10,000 ft.)
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Vibration	1.0 G, 5-500 Hz swept-sine
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Shock	15 Gs, 11-ms, half-sine
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Operating acoustic noise	6.6 bels (at 25° C) (63.7 dB measured sound power)
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Idling acoustic noise	6.4 bels (at 25° C) (61.0 dB measured sound power)
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Heat output	1092 BTUs/hour
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Data Center

AC power	200-240 VAC, 47-63 Hz, 2.5 A
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Input power	4500 W
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Operating	5° C to 35° C (41° F to 95° F) 20% to 80% relative humidity, noncondensing
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Nonoperating	-20° C to 60° C (-4° F to 140° F) 93% relative humidity, noncondensing
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Operating acoustic noise	7.3 bels (at 25° C)
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Heat output	15,400 BTUs/hour
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REGULATIONS

Meets or exceeds the following requirements:

Workgroup

Safety	UL1950; CSA C22.2-No. 950, TUV-EN60950
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Emission	FCC Part 15 B Class B; CISPR 22 Class B, VCCI Class 2
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Immunity	EMC Directive (89/336/EEC), EN50082-1
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Harmonics	EMC Directive (89/336/EEC), EN60555-2
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Data Center

Safety	UL1950; CSA C22.2-No. 950, TUV-EN60950
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Complies with the following when installed in a Sun data center cabinet:

Emission	FCC Part 15 B Class B; CISPR 22 Class B, VCCI Class 2
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Immunity	EMC Directive (89/336/EEC), EN50082-1
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Harmonics	EMC Directive (89/336/EEC), EN60555-2
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DIMENSIONS AND WEIGHTS

Workgroup

Height	17.7 cm (7.0 in.)
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Width	44.7 cm (17.6 in.)
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Depth	53.3 cm (21.0 in.)
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Weight	
(without drives)	19.3 kg (42.5 lb.)
(with drives)	28.4 kg (62.5 lb.)

Power cord	2 m (6.5 ft.)
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Data Center

Height	187 cm (73.5 in.)
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Width	61 cm (24 in.)
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Depth	93 cm (36.5 in.)
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Weight	432 kg (950 lb.)
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Power cord	4.6 m (15 ft.)
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For additional information on this product, go to www.sun.com/storage/A1000

HEADQUARTERS SUN MICROSYSTEMS, INC., 901 SAN ANTONIO ROAD, PALO ALTO, CA 94303-4900 USA

PHONE: 650 960-1300 OR 800 555-9SUN INTERNET: www.sun.com



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LC1.8 Printed in USA 1/02 DE807-5/7.5K