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

Sun StorEdge™ A1000/D1000 Arrays

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.

SUN STOREDGE™ A1000/D1000 ARRAYS SPECIFICATIONS

HOST SYSTEM INTERFACE

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

ULTRASCSI, 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
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

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)
Data center	Up to nine arrays (with 18.2-GB or 36.4-GB drives)
	Sun Enterprise™ expansion cabinet

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

For additional information on this product, go to
www.sun.com/storage/A1000

Nonoperating	−20° C to 60° C (−4° F to 140° F) 93% 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
Operating acoustic noise	6.6 bels (at 25° C) (63.7 dB measured sound power)
Idling acoustic noise	6.4 bels (at 25° C) (61.0 dB measured sound power)
Heat output	1092 BTUs/hour

Data Center

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

REGULATIONS

Meets or exceeds the following requirements:

Workgroup

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

Data Center

Safety	UL1950; CSA C22.2-No. 950, TUV-EN60950

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
Immunity	EMC Directive (89/336/EEC), EN50082-1
Harmonics	EMC Directive (89/336/EEC), EN60555-2

DIMENSIONS AND WEIGHTS

Workgroup

Height	17.7 cm (7.0 in.)
Width	44.7 cm (17.6 in.)
Depth	53.3 cm (21.0 in.)
Weight (without drives)	19.3 kg (42.5 lb.)
(with drives)	28.4 kg (62.5 lb.)
Power cord	2 m (6.5 ft.)

Data Center

Height	187 cm (73.5 in.)
Width	61 cm (24 in.)
Depth	93 cm (36.5 in.)
Weight	432 kg (950 lb.)
Power cord	4.6 m (15 ft.)

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