Sun StorEdge™ A5200 Array

New! Supercharged A5200 for database applications.

Sun microsystems

Floor space efficient

Modular architecture provides high-speed storage in less square feet of IT real estate, optimizing floor space utilization.

High performance

Direct drive access provides the random and sequential read performance required by today's databases.

Fault tolerant

Fully redundant hot-plug power supplies, fans, interface boards, and disk drives increase uptime while decreasing service time.

Excellent value

Flexible, configurable, scalable, affordable full fibre storage means you pay for exactly what you need, when you need it.

High-density, high-availability fibre-channel array.

The proven, reliable Sun StorEdge™ A5200 array optimizes storage space while providing high-speed data access to your demanding business applications. This full fibre array has a capacity-dense architecture and provides easy configurability for both high-transaction and high-transfer read-intensive environments, and incorporates hot-plug, redundant components for excellent availability and fast serviceability. Perform more work in less space with the Sun StorEdge A5200 array, a truly exceptional value.

Sun StorEdge Complete Storage Solutions—providing you with comprehensive hardware, software, and services to solve your business challenges enterprise-wide.

Sun StorEdge A5200 Array Specifications

Standard Interfaces

Drives	Dual-ported 10K RPM FC-AL FS-SCA-2 (3.5-in.)
	Dual-ported 15K* RPM RC-AL FS-SCA-2 (3.5-in.)

*Note: *Available with 36 GB drive.*

Maximum Capacity

36.4 GB drives	800 GB max array (22 drives)
	4.8 TB max rack mounted (132 drives)
73.4 GB drives	1.6 TB max array (22 drives)
	9.6 TB max rack mounted (132 drives)

Host Connectivity

Supported host bus adapters	SBus dual channel host adapter FC-AL and with one GBIC module
	Sun StorEdge PCI dual channel host adapter FC-AL with internal FC interface
	Sun StorEdge PCI single channel and Sun StorEdge cPCI dual fibre-channel host adapter FC-AL with optical interface

Fibre-channel Interface

Standards	ANSI fibre-channel FC-PH X3230-1995
	ANSI SCSI fibre-channel Protocol X3.269-1996
Optical modules	100 MB/sec (1 GB/sec) full duplex
	Shortwave laser GBIC; optional longwave laser GBIC
Fibre cable type	50 micrometer multimode, ST type connectors, 9 micrometer single mode
Maximum cable length	500 meters multimode, 10 km single mode

Software

Supported Software	Sun StorEdge™ Traffic Manager software
	Sun™ Cluster software 2.2 and 3.0
	VERITAS Volume Manager
	Solaris™ Operating Environments 2.6, 7, 8, 9
	Windows NT Operating Environments 4.0SP, 3.0

Hardware

Supported Hardware	Sun Enterprise™ 3500-6500 and 10000 servers
	Sun Enterprise 220R, 250, 420R, 450 servers
	Sun Fire™ 280R, 3800, 4800, 4810, 6800, V480, V880, 12K, 15K servers
	Ultra™ 60, 80 workstations
	Sun Blade™ 1000 workstation
	Netra™ t 1125, 1405 servers

Reliability, Availability, Serviceability

Redundancy	High availability	Online serviceable components
FC-AL 7-port hubs	RAID 1+0	Variable speed fans
Dual FC-AL loops	Dual FC-AL loops	Interface boards
Power supplies	Dual-port FC-AL drives	Dual-port disk drives
Variable speed fans	Dual-port FC-AL adapter (SBus)	FC-AL loops
Dual-port, FC-AL adapter (SBus)	Dynamic multipathing	DC power supplies
Interface boards	Automatic loop failover	FRU-level diagnostics

Configurations

Standalone	22 hot-plug dual-port FC-AL disk drives mounted front and rear
	Three hot-plug, highly reliable power supplies
	Two variable-speed hot-plug fans with rotation and temperature sensors
	Two hot-plug interface boards with up to two FC-AL 100 MB/sec GBIC modules each
	Electro-luminescent display panel with status displays for disk drives, fans, fiber links, and power on self-test
Rack mounted	Up to six arrays (using 22-drive enclosures), up to four FC-AL hubs, 2-m to 15-m fiber-optic cables, 72-in. Sun StorEdge Expansion Rack mount with dual power sequencers

Environment

	Array	Rack mounted
AC power	100-240 VAC, 47-63 Hz, 5 A at 200 VAC, 10 A at 100 VAC	200-240 VAC, 47-63 Hz, 2 x 24 A
Input power	650 W	3900 W
Operating acoustic noise	6.6 bels (at 25°C / 77°F)	8.0 bels (at 25°C / 77°F)
	Declared noise emissions in accordance with ISO 9296	Same
Heat output	2220 BTUs/hr maximum	13,320 BTUs/hr maximum
Airflow clearance	15.24 cm (6.0 in.) all sides	51 cm (20 in.) left, 0 right, 61 cm (24 in.) front and rear

Regulations

	Array	Rack mounted
Meets or exceeds the following requirements:		
Safety	UL/CSA-60950, EN60950, IEC950 CB Scheme with all country deviations, IEC825-1, 2, and CFR21 Part 1040	Same
Ergonomics	EK1-ITB-2000	
Complies with the following when installed in a Sun StorEdge Expansion Rack mount:		
RFI/EMC	EN55022/CISPR22 Class A, FCC CFR47, Part 15 Class A, EN61000-3-2, EN61000-3-3	Same
Immunity	EN55024	Same
Regulatory Markings	CE, FCC-A, ICES-003-A, C-tick, VCCI-A, GOST-R, BSMI-A, MIC, UL/cUL, TUV-GS	Same

Dimensions and Weight

	Array	Rack mounted
Height	22.7 cm (9.01 in.) = 5.2U	187 cm (73.5 in.)
Width	49.5 cm (19.65 in.)	61 cm (24 in.)
Depth	62.5 cm (24.81 in.)	93 cm (36.5 in.)
Weight	35 kg (79 lb.) approx. *(without disk drives)*	394 kg (867 lb.) approx. maximum *(with six full arrays)*
Weight	54 kg (120 lb.) approx. *(with disk drives)*	n/a
Power cord	1.83 m (6 ft.)	4.6 m (15 ft.)

Warranty

Two year	1st year on-site 2nd business day,	Same
	2nd year parts-only 15-day return to Sun	Same

For additional information on this product, go to *www.sun.com/storage/midrange/a5200*