

Sun StorEdge™ 6920 System



Delivering on the promise of application consolidation through simple, consolidated storage provisioning and management.

N-way scalability

Purpose-built for application requirements, offering seamless, predictable scalability in performance, capacity, and connectivity; delivers up to 28 Fibre Channel ports for exceptional host/SAN connectivity.

Easy, predictable deployment

Storage profiles enable simple, quick, predictable application deployment, allowing you to provision accurately and get to market fast.

Simplified storage management

Pool and provision storage resources based on application needs; centralized management of greater capacity through an easy-to-use graphical user interface.

Storage domains

Uses distributed cache for creating storage domains across multiple RAID controllers, which allows storage resources to be targeted by application, reduces contention for precious storage resources, and enables consolidated application management.

The Sun StorEdge™ 6920 system provides a purpose-built platform for managing and scaling storage resources. The midrange storage system is based on an enterprise-class, crossbar-fabric architecture that provides exceptional scalability in performance, capacity, and connectivity. This helps enable administrators to right-size storage for each application and provides the flexibility to scale the system fluidly as business or application needs change. The system allows storage provisioning from preconfigured data storage pools, enabling administrators to manage by usage, reduce complexity and cost, and deliver just-in-time, application-oriented provisioning. At the same time, it enables storage partitioning for the secure consolidation of multiple, simultaneous applications, allowing higher service levels, faster time to market, and better utilization. Within Sun's end-to-end strategy, the Sun StorEdge 6920 system delivers seamless integration, comprehensive management, and host-path load balancing and path failover to cut the cost and complexity of storage maintenance—so you deploy once, and manage indefinitely.



Sun StorEdge™ 6920 System System Requirements

Software

Management software delivered with system	Sun StorEdge™ Storage Pool Manager software, v2.1 Sun StorEdge Data Snapshot software, v2.1 Sun Storage Automated Diagnostic Environment v2.3 Sun StorEdge Traffic Manager software, v4.4 (multipathing mgmt) Sun StorEdge SAN Foundation Kit, release 4.4
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Drives

Form factor	3.5 in. drives (7 to 14 per enclosure)
Supported drives	36 GB, 15,000 rpm; 73 GB, 10,000 rpm; 73 GB, 15,000 rpm; 146 GB, 10,000 rpm

Maximum Total Capacity	36 GB	73 GB	146 GB
Base cabinet	4.0 TB	8.2 TB	16.4 TB
Base + 2 expansion cabinets	16.1 TB	32.7 TB	65.4 TB

Host/SAN Connectivity

Maximum number of FC ports (with 4 SRC/SIO card combination)	28 ports
Maximum logical device support	1024 volumes

Data Cache	Scales from 2 GB to 28 GB
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Software

Operating system support	Solaris™ 8 Operating System (update 4) and higher Microsoft Windows 2000 Server and Advanced Server SP4 Microsoft Windows 2003 Server (Standard, Enterprise, Web Editions) IBM-AIX 5.1 (64-bit) Hewlett-Packard HP-UX 11.0 and 11i Red Hat Linux, Enterprise Edition, 2.1 (WS/AS/ES)
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Hardware

Supported Platforms	Sun Ultra™ 60 and 80 workstations Sun Enterprise™ 220R, 250, 420R, 450 volume servers; 3X00, 4X00, and 6X00 enterprise servers; 10000 data center server Sun Fire™ 3800, 4800, 4810, and 6800 enterprise servers; E2900, E4900, and E6900 servers; V100, V120, V21 0, V240, V250, 280R, V440, V480, V880, V890, and V1280 volume servers; 12000 and 15000 data center servers Sun Netra™ t 1120, 1125, 1400, and 1405 servers Sun Blade™ 2000 workstation Intel Pentium III, IV IBM pSeries (p640)
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Regulations

	Meets or exceeds the following requirements:
Safety and Emissions	IEC60950, EN 60950, UL 60950, FCC Part 15 (47CFR15B), EN55022, EN 61000-3-2, EN 61000-3-3
Immunity	EN55024

Supported Host Adapters

Solaris	Sun StorEdge 2 Gb PCI Single and Dual Fibre Channel Sun StorEdge 2 Gb PCI-X Single and Dual Fibre Channel Sun StorEdge 1 Gb PCI Dual Fibre Channel Sun StorEdge 1 Gb SBUS Dual Fibre Channel Sun StorEdge 1 Gb cPCI Dual Fibre Channel
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Windows environment	Emulex LP9002L and LP952L 2 Gb Fibre Channel PCI* QLogic 2310, 2340, and 2342 2 Gb Fibre Channel PCI*
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HP environment	HP 6795A*
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IBM environment	IBM FC628*
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Linux environment	QLogic 2310, 2340, and 2342* 2 Gb Fibre Channel PCI*
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*All non-Sun host bus adapters supported by third-party vendors

Power

Input power (per cabinet)	4200 W (maximum) Two dedicated 200 to 220 V AC, 30 A* circuit breakers
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AC power	200 to 240 V AC at 50 to 60 Hz single phase
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*Power sequencers are rated for a maximum amperage of 24 A. This is the maximum the system can draw.

Environment	Operating	Nonoperating
Temperature	5° C to 35° C (41° F to 95° F)	-40° C to 60° C (-40° F to -76° F)
Relative humidity	10% to 90%, noncondensing	93%, noncondensing
Effective altitude	3000 m (9840 ft.)	12,000 m (39,370 ft.)
Shock (from any axis X, Y, Z)	3.0 g for maximum duration of 11 ms, half-sine	1.0 in. roll-off freefall, front to back rolling directions
Vibration (from any axis X, Y, Z)	0.15 g on z-axis; 0.10 g on x- and y-axes; 5 to 500 Hz sinusoidal	0.5 g on z-axis; 0.25 g on x- and y-axes; 5 to 500 Hz sinusoidal

Dimensions and Weight (fully loaded)

	One Cabinet	Two Cabinets	Three Cabinets
Height	190.5 cm (75.0 in.)	190.5 cm (75.0 in.)	190.5 cm (75.0 in.)
Width	60.7 cm (23.9 in.)	121.4 cm (47.8 in.)	182.1 cm (71.7 in.)
Depth	94.0 cm (37.0 in.)	94.0 cm (37.0 in.)	94.0 cm (37.0 in.)
Footprint	0.57 sq. m (6.1 sq. ft.)	1.4 sq. m (12.3 sq. ft.)	1.7 sq. m (18.4 sq. ft.)
Weight	659 kg (1450 lb.)	1364 kg (3000 lb.)	2068 kg (4550 lb.)

Required Clearances	front 122 cm (48 in.)	rear 92 cm (36 in.)
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Warranty/Service

Warranty	Sun three-year warranty with Same Business Day,* on-site parts delivery, four business Hours* on-site hardware service response, local extended business hours coverage, 24x7 phone support
Installation service	Sun StorEdge 6920 Enterprise Installation service (optional)
Service upgrades	SunSpectrum™ service upgrades are available

*Average response times

Get the details. For more information on this product, go to www.sun.com/storage/midrange/6920