

FEATURES AND BENEFITS

Plug-and-play design

Integrated software for ease of management

Reduced administrative overhead

TECHNOLOGY HIGHLIGHTS

Cost-effective storage area network (SAN) solution for consolidating storage

Direct-attached solution that can be shared within multi-server environments

RAID protection for mission-critical data assets

Scalable platform for affordable expansion

SGI® InfiniteStorage IS220-SP



The SGI® InfiniteStorage IS220-SP applies the power of high-performance storage to bring the cost efficiencies of consolidation to organizations of any size and simplifies initial deployment and ongoing management with fully integrated software and a flexible appliance-like design. The affordable SGI InfiniteStorage IS220-SP solution delivers maximum value for data backup, disaster recovery, and general file storage applications.

The Cost Efficiencies of Consolidation

Centralization and consolidation—by eliminating redundant administration efforts—allow today's cost-conscious IT teams to introduce operation efficiencies and minimize resource expenditures. Requirements can be combined across groups and departments, with the SGI InfiniteStorage IS220-SP solutions providing an improved cost-per-GB ratio and storage asset utilization. Businesses benefit from increased availability and RAID protection for data. IT teams can simplify deployment and backup efforts with a modular system that seamlessly scales storage and minimizes the effort required for data replication.

The Simplicity of Local Storage

Alternative SAN solutions introduce complex storage architectures and often require dedicated storage experts within the IT organization. The SGI InfiniteStorage IS220-SP, in contrast, offers the convenience and ease of an appliance. This starts with a choice for host connectivity, with either SAS, iSCSI or Fibre Channel connections, depending on the existing infrastructure. Deployment and configurations are accomplished with only basic familiarity with servers and storage. Software is fully integrated to shorten installation times, and an intuitive graphical user interface (GUI) makes it easy to introduce automation and streamline configuration and management tasks. Capacity scaling, RAID group expansion, and other tasks are carried out online with the efficient browser-

like interface. Optional SnapCopy and VolumeCopy utilities simplify data replication within dual controller configurations.

Start Small—Add as You Grow

Small, cost-effective configurations allow businesses of any size to take advantage of a pay-as-you-grow strategy for storage. Each SGI InfiniteStorage IS220-SP platform can be configured with one or two controllers. Each controller supports two 4Gb/s Fibre Channel ports, two 1Gb/s iSCSI or three 3Gb/s SAS ports. Twelve integrated disk drives and up to 36 additional drives (in three add-on enclosures) allow a single SGI InfiniteStorage IS220-SP solution to expand to a total of 96TB of storage (with current 2000GB SATA drives). The SGI InfiniteStorage IS220-SP solutions overcome the data management challenges of today, and allow businesses to manage multiple drive technologies and expanding capacities without introducing complexity.



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Configuration Specifications

www.sgi.com/storage

Controller	IS220-SP "B" Model	IS220-SP "E" Model
<ul style="list-style-type: none"> RAID Controllers Cache Sizes Host Paths Partitions 	Single 1GB 2 FC, 2 iSCSI or 3 SAS 2 Standard	Dual, active 2GB 4 FC, 4 iSCSI or 6 SAS 2 Standard
Optional Software Features		
<ul style="list-style-type: none"> Additional Partitions SnapCopy Volume Copy 	4, 8, 16 Supported Supported	4, 8, 16 Supported Supported
Controller Features		
<ul style="list-style-type: none"> RAID Levels Battery backup LUNs Global Hot Spare Drives Host Management Hot Swappable, Dual power supplies and cooling 	0, 1, 3, 5, 6, and 1+0 3-day maximum 256 per partition, 1024 per system Unlimited SGI Storage Management Interface	
Host Connections		
<ul style="list-style-type: none"> 4Gb/s Fibre Channel, 1Gb/s iSCSI or 3 Gb/s SAS, quantities model dependent LC optical connectors for Fibre Channel, mini-SAS connectors for SAS 		
Drive Enclosure Connections		
<ul style="list-style-type: none"> Two or four 3 Gb/s SAS connectors Fused copper cables, SAS assembly 		
Enclosure Dimensions		
<ul style="list-style-type: none"> Rack Height Height Width Depth Weight Empty Maximum Weight 	2 U 3.43", 87.1mm 17.66", 448.6mm 21.21", 538.7mm 39.75 lb 59.55 lb	
Drive Options		
<ul style="list-style-type: none"> 146 GB, 15K rpm, SAS 300 GB, 10K and 15K rpm, SAS 400GB, 10K rpm, SAS 450GB, 15K rpm SAS 1000GB, 7200 rpm SAS 750 GB, 500 GB and 1000GB, 2000GB, 7200 rpm, SATA Drives per enclosure: Min. 2/Max. 12 Drives per system: Min. 2/Max. 48 		
Environmental (Operating)		
<ul style="list-style-type: none"> Operating Temperature Minimum: 10° C (50° F) Maximum: 40° C (104° F) 		

Operating Relative Humidity
<ul style="list-style-type: none"> 20% to 80% (non-condensing)
Temperature Change
<ul style="list-style-type: none"> 10°C/hr
Operating Altitude
InfiniteStorage System Manager
<ul style="list-style-type: none"> Minimum: -30.5m (-100 ft) Maximum: 3,000m (9,840 ft)
Host Management
SGI InfiniteStorage System Manager Workgroup Edition
<ul style="list-style-type: none"> Out-Band management <ul style="list-style-type: none"> RHEL 3, 4, 5 SLES 8, 9, 10 Windows 2003 Server Edition Windows XP Professional Windows Vista SuSE Professional 9.x In-Band management <ul style="list-style-type: none"> RHEL 3, 4, 5 SLES 8, 9 Windows 2003 Server Edition Software features <ul style="list-style-type: none"> Volume creation, mapping and expansion Add drives, expansion enclosures on-the-fly Non-disruptive firmware upgrades
Power Consumption (AC power per enclosure)
<ul style="list-style-type: none"> 515 Watts (+ 5V @ 19A/ + 12V @ 35A) 3.5 A Max Operating @ 115 VAC (90 – 264 VAC Range), 47/63 Hz 1.7 A Max Operating @ 240 VAC (90 – 264 VAC Range), 47/63 Hz
Regulatory Compliance
<ul style="list-style-type: none"> Manufactured under an ISO 9000-registered system UL 1950 CSA 22.2 No.950 IEC 950, EN 609 RoHS Compliant
Warranty
1 years hardware repair and replacement, 5x9 on-site next business day response, upgrade options to extended years, 7x24, 2 hour response

Corporate Office
 46600 Landing Parkway
 Fremont, CA 94538
 tel 510.933.8300
 fax 408.321.0293
www.sgi.com

North America +1 800.800.7441
 Latin America +55 11.5185.2860
 Europe +44 118.912.7500
 Japan +81 3.5488.1811
 Asia Pacific +61 2.9448.1463

