

Price/Performance  
Mid-Range RAID

#### HIGHLIGHTS

8GB Fibre Host Interfaces

Dual Raid Controllers  
Standard

Premium Data Protection  
Features

SSD, Fibre Channel or Sata  
Drives

Increased Cache For High  
LOPs

Scalable with Data-in Place  
Upgrade Path

## SGI® InfiniteStorage 4100-SP



The SGI InfiniteStorage 4100-SP (IS4100-SP) is a cost effective mid-range storage system with scalability and data protection features which will satisfy the performance, reliability, and robust functionality requirements of Enterprise customers.

#### Start Small, Grow Big

IS4100-SP represents a great value for mid-range requirements with a well balanced storage platform where workloads will include multiple different types of tasks. Fueled by next generation 8Gb Fibre Channel architecture and exceptional per drive performance the IS4100-SP allows customers to reduce the expenditure associated with both infrastructure and the need for a large number of drives to achieve performance requirements.

#### Maximize Density and Storage Efficiency

Efficient rack utilization is critical for organizations where unbridled data growth is stressing the data center environment. The IS4100-SP allows you to mix high performance Fibre Channel and high capacity SATA drives in a single enclosure. Seamless pay-as-you-grow scalability allows customers to adapt their storage system to meet their current requirements, and without over paying for features or capacity they don't need.

#### Cost Effective

The IS4100-SP is a cost-effective system designed to fit budgets of small to medium sized businesses, yet will easily scale to match the capacity and performance requirements anticipated with future growth. A single integrated module contains both redundant controllers and drive capacity to satisfy most server and workgroup applications.

#### High-availability and Data Security

In today's competitive business environment data and applications must be available 24x7. The IS4100-SP features redundant hot swappable components, mirrored cache with battery backup and automated path failover to ensure access to data even in degraded condition. Enhanced business continuance features, like efficient snapshots and remote mirroring also protect critical business data, enabling faster recovery from application failures. SafeStore™ encryption services combines local key management and drive-level encryption for comprehensive data security that ensures data is protected throughout the drive's lifecycle without sacrificing storage system performance or ease of use.

#### Investment Protection

Regardless of changes to your business landscape, the IS4100-SP adapts to your needs. As application demands grow, the IS4100-SP system can be upgraded to an Enterprise-class SGI InfiniteStorage 4600 while leaving existing data in place, by simply replacing the controllers with the higher performance SGI InfiniteStorage 4600 controllers.



# SGI InfiniteStorage 4100-SP

## Configuration Specifications

[www.sgi.com/storage](http://www.sgi.com/storage)

<b>Controller</b>	<b>4100-SP</b>
RAID Controllers	Dual, active
Cache Size	4GB
Host Interfaces	8Gb FC (4 and 8 Ports)
Partitions	2 Standard
Current Software Release Level	SANtricity ES Storage Manager 10.77
<b>Controller Features</b>	
RAID Levels	0, 1, 3, 5, 6, 10
Cache backup	Cache destaged to Flash in case of power loss
LUNs	128 LUNs per partition, 1024 total
Global Hot Spare Drives	Unlimited
Power and Cooling	Dual, redundant, hot swappable
Number of Drives Supported	112
<b>Optional Software Features</b>	
Additional Partitions	4, 8, 16, 64, 128
SnapCopy	4 or 8 Snaps
Volume Copy	Supported
Remote Volume Mirroring	32 or 64 Remote Mirrors
<b>Controller Enclosure Dimensions</b>	
Rack Height	3 U
Height	5.3", 31.1 cm
Width	17.6", 44.7 cm
Depth	23.5", 59.7 cm
Max Weight	84.1 lbs., 38.2 kg
<b>16-Bay Drive Enclosure Dimensions</b>	
Drive Size	3.5"
Rack Height	3 U
Height	5.3", 31.1 cm
Width	17.6", 44.7 cm
Depth	23.5", 59.7 cm
Max Weight	93 lbs., 42.1 kg
<b>Rack Dimensions</b>	
Total U	40
Height	78", 198.1 cm
Width	24", 60.9 cm
Depth	40", 101.6 cm
Weight	300 lbs., 135 kg

<b>Supported Drives</b>	
FC	300GB 15K RPM 450GB 15K RPM 600GB 15K RPM
SATA	1TB 7200 RPM 2TB 7200 RPM
<b>Supported Operating Systems</b>	
SLES 10.3, 11.1	
RHEL 5.6, 6.0	
VMware 3.5, 4.1	
Sun Solaris 10	
HP-UX* 11.31 (FC only)	
IBM AIX* 6.1, 7.1 (FC only)	
Windows Server 2003	
Windows Server 2008	
Mac® OS X*	
<b>Power</b>	
AC Power	
Controller	2.65 max @ 240 VAC (180 to 260 VAC, 50/60 HZ)
16-bay Enclosure	1.97A max @ 240 VAC (180 to 264 VAC, 50/60 HZ)
<b>Environment</b>	
Operating Temperature	32°F to 104°F (10°C to 40°C)
Relative Humidity	20% to 80% non-condensing
Altitude	100' below sea level (-30.5m) to 10,000' (3058m)
Heat Output	540 Wats (1842 BTU/hr)
<b>Optional Host Software</b>	
DMF	Data Lifecycle Management (Archive) policy automation software virtualizes storage devices and automates the migration and archive of digital content throughout a virtual tiered storage pool based upon business policies

\*Failover support by third party suppliers

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