

Price/Performance
Mid-Range RAID

SGI® InfiniteStorage 4100

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

The SGI InfiniteStorage 4100 (IS4100) 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 High Performance Computing and Enterprise customers.

Start Small, Grow Big

IS4100 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 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 allows you to mix high performance SSD, 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 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 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 snap shots and remote mirroring also protect critical business data, enabling faster recovery from application failures.

Investment Protection

Regardless of changes to your business landscape, the IS4100 adapts to your needs. As application demands grow, the IS4100 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

System Specifications

www.sgi.com/storage

Controller	
RAID Controllers	Dual, active
Cache Size	4GB
Host Interfaces	8Gb FC (4 Ports)
Partitions	2 Standard
Current Software Release Level	ISSM 10.77
Controller Features	
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
Optional Software Features	
Additional Partitions	4, 8, 16, 64, 128
SnapCopy	4 or 8 Snaps
Volume Copy	Supported
Remote Volume Mirroring	32 or 64 Remote Mirrors
Controller Enclosure Dimensions	
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
16-Bay Drive Enclosure Dimensions	
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
Rack Dimensions	
Total U	40
Height	78", 198.1 cm
Width	24", 60.9 cm
Depth	40", 101.6 cm
Weight	300 lbs., 135 kg

Supported Drives	
FC	300GB 15K RPM 450GB 15K RPM 600GB 15K RPM
SATA	1TB 7200 RPM 2TB 7200 RPM
Supported Operating Systems	
SLES 10.3, 11.1	
RHEL 5.6, 6.0	
VMware 3.5, 4.1	
MAC OSX 10.5.8, 10.6.3	
Windows Server 2003	
Windows Server 2008	
Power	
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)
Environment	
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)
Optional Host Software	
CXFS	<ul style="list-style-type: none"> Heterogeneous shared file system for storage area networks; eliminates the need for replication of data across a network by allowing multiple users to share one version of content at Fibre Channel or InfiniBand speeds Host Attachment via CXFS - Solaris, Windows NT, Windows 2000, AIX, MAC OS X, 32-bit Linux, 64-bit Linux
DMF	<ul style="list-style-type: none"> 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

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