

# SGI® InfiniteStorage S330 Storage Array

## SGI Quality Storage at an Affordable Price Point, with Exceptional Performance, Scalability and Flexibility

### Features

- Enterprise-Class, Workgroup Price
- Superior Performance
- Full-Featured High-Availability
- Scalability Supports Your Growth
- A330 and S330—A Winning Combination
- Centralized Administration
- Support You Can Count On
- Add Functionality as Your Needs Grow



### Enterprise-Class Storage Array Priced for the Workgroup

The SGI® InfiniteStorage S330 delivers enterprise-class features and functionality at a price that makes sense for workgroup applications.

Going well beyond typical workgroup storage offerings, the S330 provides superior performance, data protection and availability and is intelligently packaged to scale with your business.

### Superior Performance

The exceptional performance value of the S330 is ideally suited for small- to medium-businesses. It's equally adept at delivering efficient data access to transactional applications such as databases and web serving, and sustaining high MB/s for bandwidth applications such as video serving and seismic processing.

Choose from single controller or dual controller configurations to fit your performance needs. Optimize and tune as much as you need with all the flexibility of an enterprise-class system.

### Full-Featured High-Availability

Full-featured high availability comes standard with the S330 including online storage management, redundant, hot-swappable components and battery backup. Dual controller units also come standard with automated path failover and mirrored cache.

Premium features are also available for the S330 management software platform including storage partitioning, volume snapshot, remote mirroring and volume copy.

### Scalability Supports Your Growth

Unlike most systems in its class, the S330 scales from 2.8 Trillion Bytes (TB) to over 16TB of total capacity. This range of scalability is perfect for the needs of data-intensive environments like those using modeling and material sciences applications.

How you scale is also completely up to you. Partition the S330 when it makes sense to dedicate storage to multiple servers. Create hundreds of logical storage units when you want to give users their own workspace. With support for most major computing platforms, the S330 also scales across your environment and protects your investment over time.

### A330 and S330—A Winning Combination

Deploy the S330 with the SGI® Altix® 330 Server for performance that expands-on-demand in an open standards architecture. An especially powerful combination for manufacturing and life sciences applications, the A330 and the S330 deliver cost-effective scalable performance.

### Centralized Anywhere, Anytime Administration Tools

Take complete control over your rapidly growing storage environment with a powerful, yet simple to use, management interface.

S330 management software is included at no charge delivering performance monitoring and an enterprise management window for a comprehensive view of all S330 storage systems in the management domain.

### Support You Can Count On

The inherent reliability of the S330 is backed by a one year, 5x9 next business day warranty on parts and labor and by SGI service and support, which is consistently ranked among the highest in the industry.

### Add Functionality as Your Needs Grow

The S330 can be deployed and re-deployed in direct attach storage (DAS), network-attached storage (NAS) and storage area network (SAN) configurations. For environments with more complex requirements, it is also an ideal building block for data lifecycle management, disk to disk backup and disaster recovery applications.



# SGI® InfiniteStorage S330 Storage Array



SGI® Altix® 330 Server

<p><b>Controller</b> Single and dual controller configurations available.</p> <p><b>Processor</b></p> <ul style="list-style-type: none"> <li>• Intel® XScale™ 600 MHz with built-in hardware XOR engine for RAID parity</li> <li>• Memory - 256MB or 512MB DDR SDRAM with ECC (battery backed)</li> </ul> <p><b>Connectivity/Interfaces</b></p> <ul style="list-style-type: none"> <li>• 2 or 4 2Gb/s Fibre Channel host interfaces (LC connectors)</li> <li>• Point-to-point, arbitrated loop and switched fabric support</li> <li>• Supports max. of 42 disk drives</li> <li>• 10/100 BaseT Ethernet ports for out-of-band management</li> <li>• RS-232 interface connector for troubleshooting and diagnostics</li> </ul> <p><b>Firmware features</b></p> <ul style="list-style-type: none"> <li>• Optimized for disk-based performance</li> <li>• Automated I/O path protection with host-based, multipath, failover drivers</li> <li>• Online administration, configuration and maintenance</li> <li>• Centralized management from any location</li> <li>• GUI and command line</li> <li>• Optional storage partitioning, snapshot, volume copy and remote mirroring functionality</li> </ul>	<p><b>Performance (Dual-Controller)</b></p> <ul style="list-style-type: none"> <li>• 800MB/s aggregate bandwidth from cache</li> <li>• 485MB/s sustained from media</li> </ul> <p><b>RAID Features</b></p> <ul style="list-style-type: none"> <li>• RAID levels 0, 1, 3, 5, and 1+0 supported</li> <li>• 1 to 30 drives supported per volume group</li> <li>• 1 or more storage volumes per volume group</li> <li>• Variable segment sizes per storage volume</li> <li>• Supports multiple caching policies on a storage volume basis</li> <li>• Read enable/disable, write enable/disable, write back/write through, read ahead, battery backed, enable/disable mirroring</li> <li>• Automatic drive failure detection and rebuild using global hot spare drive</li> </ul>	<p><b>Storage System Capacity</b></p> <ul style="list-style-type: none"> <li>• Max. # of drives supported = 42</li> <li>• Max. capacity (400GB, 7.2K RPM SATA) = 16.8TB</li> </ul> <p><b>Host/Drive Connections</b></p> <ul style="list-style-type: none"> <li>• Single controller - 2 2Gb/s Fibre Channel host/SAN connections</li> <li>• Dual controller - 2 2Gb/s Fibre Channel host/SAN connections</li> <li>• 1 or 2 of 2Gb/s Fibre Channel drive expansion connections (cables included)</li> </ul> <p><b>Availability</b></p> <ul style="list-style-type: none"> <li>• Multiple RAID levels (see "RAID features")</li> <li>• Redundant, hot-swappable storage controllers, disk drives, power supplies, cooling fans</li> <li>• Cache battery backup</li> </ul> <p><b>Configuration/Monitoring</b> S330 management software OS support: IRIX®, Windows® 2000, Windows® 2003, Solaris™, Linux®, (32 and 64 bit) AIX®, HP-UX, NetWare®, IRIX®</p>	<p><b>Physical Characteristics Dimensions</b> Rackmount: Height / Width / Depth / Weight</p> <p><b>Controller Enclosure</b> 5.1 in (12.9 cm) / 17.6 in (44.7 cm) / 22.1 in (56.1 cm) / 62 lb (28.2 kg)</p> <p><b>Drive Enclosure</b> 5.1 in (12.9 cm) / 17.6 in (44.7 cm) / 22.1 in (56.1 cm) / 88 lb (40 kg)</p> <p><b>Operating Temperature</b></p> <ul style="list-style-type: none"> <li>• Cabinet: 50°–95° F (10° – 35° C)</li> <li>• Module: 50°–104° F (10° – 40° C)</li> </ul> <p><b>Electromagnetic Compliance</b></p> <ul style="list-style-type: none"> <li>• EN 55022 Class A EN 50024:1998</li> <li>• FCC Class A VCCI Class A</li> </ul> <p><b>Safety Compliance</b></p> <ul style="list-style-type: none"> <li>• UL 1950 CSA 22.2 No.950 IEC 950 EN 609</li> </ul> <p><b>Power Consumption</b> Enclosure with controllers and 14 drives</p> <ul style="list-style-type: none"> <li>• Max. Operating Current - 3.18A, 318W,</li> <li>• Max. Surge Current - 5.85A, 585W, 100VAC, 60 Hz, 0.73 power efficiency, 0.99 power factor</li> </ul>
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