

# SGI® InfiniteStorage 120

## Performance, Capacity, and Scalability

### Product Highlights

- Modular disk expansion providing high performance and reliable storage ideal for SGI Altix servers
- Up to 3.6 TB of capacity in a single 2U chassis
- Versatility to deliver the performance for I/O intensive applications or streaming performance

### Feature and Benefits

- High-performance
- Increased density and capacity
- Low-cost scalability
- Enhanced reliability



Data centers, workgroups and departmental servers in every industry are experiencing data growth that has extended beyond the capacity of their current Direct Attached Storage (DAS). With a robust design, the SGI InfiniteStorage 120 incorporates the performance and reliability of Serial Attached SCSI (SAS) disk drives for mission critical applications. Optimized for simplicity and ease of integration, the SGI InfiniteStorage 120 is an ideal solution for direct-attached JBOD storage expansion or as a disk expansion module for SGI Altix™ servers.

### High-performance

Utilizing high performance SAS drives, the SGI InfiniteStorage 120 exceeds the performance requirements of practically any application – everything from transaction-intensive applications like e-mail and databases to high-throughput applications like video editing. By combining four drive channels, each supporting 3 Gb/s, the SGI InfiniteStorage 120 can achieve up to 12Gb per second throughput; delivering a total bandwidth up to 4x that of a SCSI bus.

### Increased Density and Capacity

Space is becoming a major data-center limitation and an even more important factor when considering data storage options. Housing up to 12 SAS drives in a high-density 2U enclosure, the SGI InfiniteStorage 120, can provide up to 3.6 TB of data storage. This represents an increase of up to three-times (3x) in density compared to previous generation systems.

### Low-cost Scalability

Storage demands are constantly changing, and for most organizations data growth is unpredictable. The SGI InfiniteStorage 120's modular design with hot swappable components, supports zero-impact scalability, which enables IT managers to respond to their changing storage requirements. The SGI InfiniteStorage 120 is also perfect for cost-sensitive organizations that need to grow incrementally.

### Enhanced Reliability

Besides the inherent robustness of SAS disk drive technology, the SGI InfiniteStorage 120 offers system reliability and data availability features, such as hot-swappable drives and redundant components that include Environmental Service Monitors (ESMs), cooling, and power supplies. Additionally the SGI InfiniteStorage 120's point-to-point architecture cuts the time it takes to identify and diagnose drive problems, permitting you to remedy degraded conditions faster.



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<p><b>Dimensions (Approximate)</b></p> <ul style="list-style-type: none"><li>• Height 87.1 mm (3.4")</li><li>• Width 481.8 mm (18.9")</li><li>• Depth 538.7 mm (21.2")</li><li>• Weight 25.8 kg (56.95 lb) (max. configuration) Exact weight of the units is affected by the type and number of drive modules installed</li></ul>	<p><b>Drive Options</b></p> <ul style="list-style-type: none"><li>• 73GB 15K RPM SAS</li><li>• 300GB, 10K RPM SAS</li></ul>
<p><b>Power</b></p> <p><b>AC Voltages</b></p> <ul style="list-style-type: none"><li>• Wide ranging from 90 to 264VAC</li><li>• Nominal ranges<ul style="list-style-type: none"><li>– Deskside: 100 to 120 or 200 to 240 VAC</li><li>– Rack: 200 to 240 VAC</li></ul></li></ul> <p><b>AC Circuits</b></p> <ul style="list-style-type: none"><li>• One AC circuit per PSU</li><li>• Two AC circuits per enclosure</li></ul> <p><b>Inlet Type</b></p> <ul style="list-style-type: none"><li>• IEC320</li></ul> <p><b>Frequency</b></p> <ul style="list-style-type: none"><li>• 47 to 63 Hz</li></ul>	<p><b>Architecture</b></p> <ul style="list-style-type: none"><li>• Storage Bridge Bay (SBB) standard</li><li>• Two SAS 4x connections at the rear for external connectivity</li></ul>
<p><b>Drive Interface</b></p> <ul style="list-style-type: none"><li>• 3Gb/s SAS</li><li>• Connectivity for up to 12 drives</li></ul>	<p><b>Host Interface</b></p> <ul style="list-style-type: none"><li>• 1 or 2 host attach options</li></ul> <p><b>Operating Environment</b></p> <ul style="list-style-type: none"><li>• Temperature -10°C to 40°C (50°F to 104°F)</li><li>• Relative humidity (operating) 20% to 80% non-condensing</li><li>• Altitude 0 to 2,133 m (0 to 7,000 ft)</li></ul> <p><b>Cable Length</b></p> <ul style="list-style-type: none"><li>• Maximum SAS cable length: 4 meters</li></ul> <p><b>Standards and Regulations</b></p> <ul style="list-style-type: none"><li>• Manufactured under an ISO 9001–registered quality system</li><li>• RoHS compliant</li></ul>



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