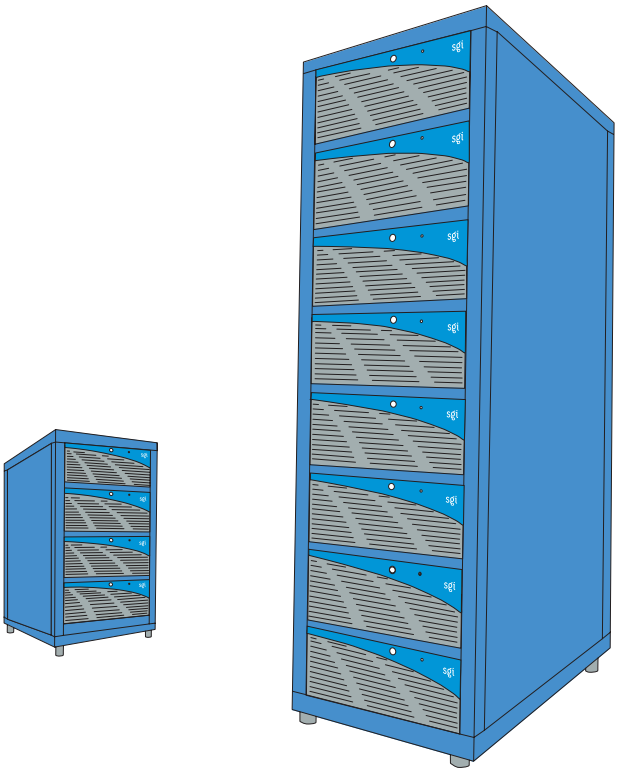
Datasheet

PC-IG Solutions from SGI

A Fully Integrated Hardware and Software Platform for Visual Simulation

Features

- Single or dual Intel Pentium processors
- Linux or Windows NT operating system
- SGI VPro graphics with full-scene anti-aliasing and gigapixel fill performance
- SGI OpenGL Performer with multiprocessing support
- Compatibility with industry-leading scene managers
- SGI ImageSync precision interchannel video synchronization
- Industry-standard, rack-mounted chassis
- Fully customized configurations available to support unique applications
- Worldwide SGI service and support



Multichannel Visual Simulation at a Highly Affordable Price

Organizations involved in defense training, battlespace awareness, air traffic control simulation, and other visual-simulation applications demand the latest in high-performance computing and graphics. But as the technology evolves, the challenge becomes how to leverage the rapid technical advances while still retaining key features and requisite performance without requiring a commitment to proprietary hardware designs. PC Image Generator (PC-IG) solutions based on the SGI Graphics Cluster™ system leverage commercial off-the-shelf (COTS) graphics technology, providing an integrated platform that delivers an unprecedented combination of performance, affordability, and investment protection.

Best-of-Class Performance with COTS Technology

SGI is the industry's first choice for high-performance image generation and simulation. SGI™ PC-IG solutions extend this leadership into a new, highly affordable arena. Built on a standard Intel® architecture that supports popular PC operating systems and commercially available subsystems, APIs, and accelerators, SGI PC-IG solutions offer best-of-class visualization performance. Advanced hardware, integrated software, bundled APIs such as SGI OpenGL Performer™, and rich feature sets such as SGI ImageSync™ with SGI DataSync™ and SGI SynaptIQ™ software combine to deliver the advanced functionality required to meet the most demanding simulation applications.

The Flexibility to Meet a Range of Application Requirements

SGI Graphics Cluster systems offer two customizable models to meet diverse cost and performance requirements. Depending on the configuration, the family provides one or two Intel Pentium® III CPUs, SGI VPro™ graphics, and basic interconnect housed within a sturdy, rack-mounted chassis. From there, organizations can choose from a variety of commercially available graphics, networking, and storage options—such as Gigabit Ethernet and storage area networks—to meet their application and budget requirements while achieving exceptional value.

SGI ImageSync: Interchannel Video Synchronization with VPro Graphics

Using SGI VPro graphics, SGI ImageSync provides high-precision, fully locked video and frame-buffer synchronization between visual channels, thereby ensuring that visual-immersion requirements are met cost-effectively with multiple-channel displays. SGI ImageSync lets you take full advantage of the rapid evolution of graphics technology by integrating this capability into easily upgraded VPro graphics.

SGI OpenGL Performer: The World's Leading Visual Simulation API

SGI OpenGL Performer simplifies the development of complex visual simulation, simulation-based design, virtual reality, and interactive entertainment applications. It's the world's leading API for real-time visual simulation and other performance-oriented 3D graphics applications. SGI OpenGL Performer is a fully supported component on Linux® OS–based PC-IG systems, enabling higher performance on multiprocessor configurations.

Fully Supported Solutions from a Global Leader

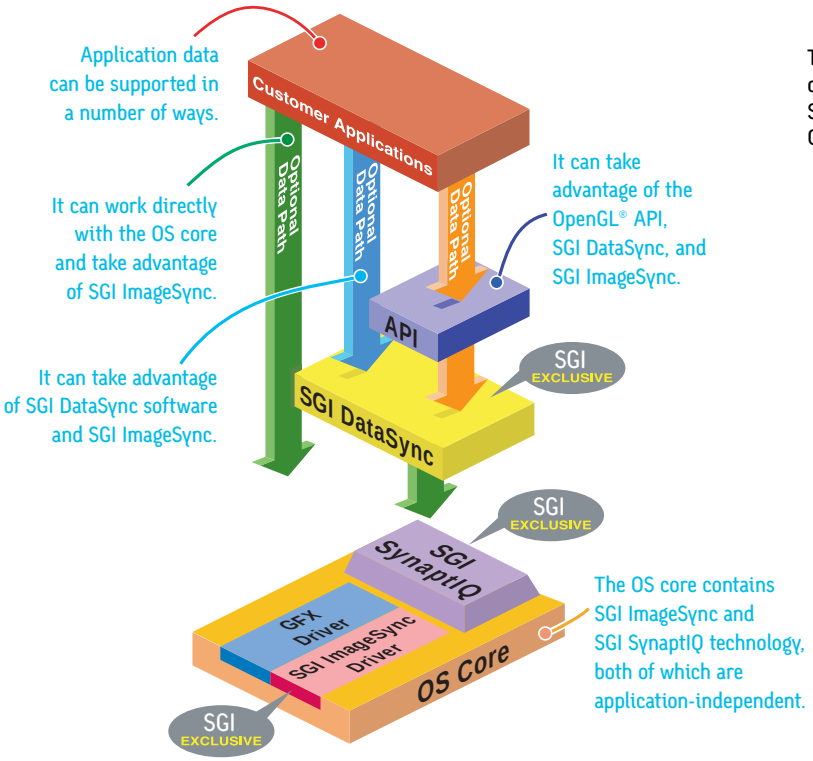
For nearly two decades, SGI has set the pace for visual computing and has maintained strong relationships with key innovators across the spectrum of the computational marketplace. A long history of technological leadership and expertise, combined with far-reaching industry alliances, positions SGI as uniquely qualified to deliver integrated hardware, software, and service solutions that create new standards for performance and ease of ownership. The SGI global support infrastructure, including our Professional Services and Managed Services organizations, stands behind every SGI PC-IG solution, ready to deliver customized, on-site service and support. It's a complete visual simulation and training solution that reduces total cost of ownership and drives success.

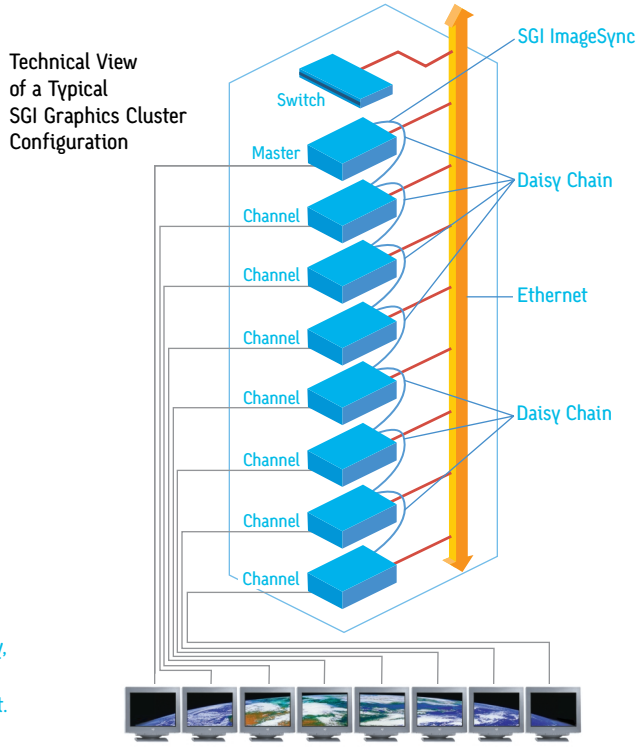
For more information, please visit *www.sgi.com/go/graphicscluster*.

PC-IG Solutions from SGI
Technical Specifications

Core System Configuration
- CPU speed: single or dual Intel Pentium III 1.0 GHz or faster
- Memory: 512MB or greater
- HD: 18GB or greater
- Interconnect: 100Base-T standard, optional Gigabit Ethernet
- Display: single 19" monitor standard per system, optional upgrades

SGI VPro VR7 Graphics
- Second-generation NVIDIA GPU technology
- Unprecedented 2D and 3D graphics performance
- 64MB high-speed DDR SDRAM unified local buffer
- Multiple output options, including a standard VGA connector and DVI-I for flat panel display and digital monitor compatibility





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