SGI offers the industry's broadest range of high-performance computing hardware and software—including powerful servers, industry-leading graphics systems, a family of award-winning, interoperable visual workstations, and advanced storage solutions. A history of developing integrated architectures that deliver advanced visualization capabilities and sheer compute power has made SGI the first choice for helping you stay ahead of your competition.

Family of Products

Servers and Graphics Systems

The most data-intensive environments use SGI servers to unleash the power of data with solutions that store, organize, process, and interpret it more effectively.

Advanced Visualization Solutions

When it comes to natural, intuitive interaction with data and vividly realistic imagery, SGI is unequaled. Any organization, large or small, that can benefit from enhanced decision making and faster, better interpretation of data will benefit from an SGI visual computing solution.

Service and Support

The SGI Global Services organization partners with customers to ensure a complete service solution that helps maximize return on investment. A flexible, full complement of high-quality and cost-effective programs and services is available to help organizations get ahead and stay ahead.

Servers/Advanced Graphics Systems Markets: Manufacturing | Entertainment | Education and Research | Geosciences | Visual Simulation | Defense Imaging

SGI™ 3000 Family

The SGI 3000 family offers unprecedented flexibility for meeting the most demanding computing and visualization challenges. SGI™ Origin™ 3000 series servers and SGI™ Onyx® 3000 series visualization systems utilize SGI NUMAflex™ modular technology to provide scalable and resilient solutions to a wide range of computing, visualization, and storage problems. Because all SGI 3000 family systems are built from a common set of building blocks that utilize high-performance MIPS® microprocessors and IRIX®—the world's most scalable operating system—these systems offer unique flexibility to deploy, upgrade, service, expand, and redeploy components to meet any requirement.

The SGI Onyx 3000 series combines the modular high-performance graphics capabilities of the InfiniteReality® family of graphics subsystems with the scalable computing and storage capability of the SGI Origin 3000 series. The combination yields a family of scalable systems designed to meet today's toughest visualization challenges.

www.sgi.com/origin/3000
www.sgi.com/onyx3000

Servers/Advanced Graphics Systems Markets: File Serving | Internet Serving | Technical | Creative

SGI™ Origin™ 200
SGI™ Origin™ 200 GIGAchannel™

SGI Origin 200 is a scalable, multiprocessing server that offers an industry-leading combination of price/performance, I/O bandwidth, RAS, and investment protection. Because of its fully modular design, organizations pay only for the performance they need with no unnecessary expense for unused potential. With UNIX® tools, scalability in all dimensions, and an entry price comparable to that of PC-based servers, SGI Origin 200 and SGI Origin 200 GIGAchannel provide exceptional I/O bandwidth, high availability, and superior performance.

www.sgi.com/origin/200

Servers/Advanced Graphics Systems Markets: Engineering and Design | Science | Training and Education | Entertainment

Silicon Graphics®
Onyx2®

Silicon Graphics Onyx2 is a visual workstation designed to meet today's toughest visualization challenges. Its extraordinary speed, bandwidth scalability, low-latency memory access, and parallel computing capabilities make it a performance leader. Its ability to present ultrarealistic models and simulations and simultaneously process 3D graphics, 2D imagery, and video data in real time puts it in a class of its own. This highly scalable family of workstations combines the latest supercomputing and visualization technologies while supporting a familiar programming environment, making it the optimum technical platform.

www.sgi.com/onyx2

Servers/Advanced Graphics Systems Markets: Manufacturing | Energy | Science and Education | Defense and Intelligence | Museums | Business Intelligence

SGI™ Reality Center™

Powered by the SGI™ Onyx® family of systems, SGI Reality Center facilities are the most advanced group visualization facility in the world. Reality Center solutions present high-resolution, large-scale imagery, enabling groups to interact with virtual prototypes and massive data sets. By facilitating collaboration and removing the barriers of physical models, Reality Center solutions allow people to explore ideas without constraints, empowering them to do their best work and attain a competitive advantage for their organization. Reality Center solutions are available in a wide range of configurations to suit varied application and budget needs.

www.sgi.com/realitycenter

Servers/Advanced Graphics Systems Markets: Clustering | Internet Serving | Entertainment

SGI™ 1000 Series

The SGI 1000 series of high-performance, scalable servers provides the flexibility and cost advantages of standard IA-32 architecture. The power-packed design of the SGI™ 1100 server makes it an affordable, space-saving solution for an array of Internet, entertainment, and computational applications, including clustering, Web serving, e-commerce, and rendering. Powered by the Intel® Pentium® III processor, the SGI 1100 server supports up to two processors. The SGI™ 1200 high-density, rack-optimized server supports up to two Pentium III processors and is designed for Internet applications and for clustering solutions in technical computing environments. Powered by up to four Intel Pentium III Xeon™ processors, SGI™ 1450 offers a space-saving solution for data centers running active Web sites and demanding business applications. These servers have been optimized to provide technical and creative users with high compute and data performance on the Linux® or Windows® platform.

www.sgi.com/servers/1000

Servers/Advanced Graphics Systems Markets: Digital Content Creation | CAD | Prepress | Sciences

SGI
Zx10™

The SGI Zx10 server combines the latest Intel Pentium processors with revolutionary Wahoo Technology™ to cost-effectively enhance performance and eliminate bottlenecks. As a result, SGI Zx10 delivers faster throughput, fewer delays, and greater productivity. The server offers system expansion and flexibility and features hot-swap power and drives for maximum uptime. SGI Zx10 provides the widest memory bandwidth available on an industry-standard platform, delivering fast throughput in demanding serving environments.

www.sgi.com/servers/zx10

Service Professional Services | Productivity Services | Support Services | Education Services

SGI
Global Services

SGI Global Services offers a single point of contact for a full range of proven service and support solutions for systems running the IRIX and Windows operating systems and also offers the most comprehensive range of services available for systems running Linux. We provide integrated, customized service solutions, from assessment and planning to implementation, management, and follow-on support. The flexibility of our support offerings lets organizations choose the exact level of support they require, from Mission-Critical Support to innovative programs such as CallPacks and WebPacks. SGI Global Services also provides a selection of Managed Services that are precisely defined and delivered by expert engineers. Our education and training solutions enable customers to maximize hardware investments through the development of a range of technical skills. Global Services provides solutions that help you stay ahead of your competition by allowing you to stay focused on your critical business issues.

www.sgi.com/support

Workstations Markets: Manufacturing | Entertainment | Scientific Visualization | Geosciences | Visual Simulation | Defense Imaging

Silicon Graphics®
Octane®

The Silicon Graphics Octane visual workstation provides outstanding graphics and compute performance within a balanced system architecture. Octane offers unequaled digital-video capabilities on the desktop with high bandwidth for editing compressed or uncompressed dual-stream CCIR-601 video, real-time 3D video effects, and support for one-stream compressed HDTV. Running the high-performance 64-bit IRIX operating system with scalable graphics configurations and dual or single MIPS processing, Octane is well-suited to the most demanding applications.

www.sgi.com/octane

Workstations Markets: Manufacturing | 3D Animation | Scientific Visualization | Geosciences | Visual Simulation | Defense Imaging

Silicon Graphics®
Octane2™

Silicon Graphics Octane2 delivers more visualization power than any other desktop workstation. Combining the most advanced implementation of VPro™ 3D graphics, high system bandwidth, dual or single MIPS processing, and the 64-bit IRIX operating system, Octane2 offers scalable graphics performance that leads the industry. Advanced features include 128MB configurable graphics memory with up to 104MB texture memory for interactive rendering of volumetric data and 48-bit RGBA for outstanding image quality and accuracy. Octane2 is designed to meet the 3D modeling and advanced visualization requirements of professionals at the forefront of their fields.

www.sgi.com/workstations/octane2

Workstations Markets: Scientific Visualization | 2D and 3D Animation | Broadcasting | Visual Simulation | Defense Imaging

Silicon Graphics®
O2®

Silicon Graphics O2 is the only UNIX workstation to integrate video, audio, high-quality graphics, and real-time compression technologies as core components of its architecture. The entry level–priced visual workstation is based on Unified Memory Architecture and is powered by RISC processing on the high-performance 64-bit IRIX operating system. Because of its uniquely integrated architecture, O2 provides superior 3D graphics, powerful image processing, real-time video processing, and interactivity with very large data sets that exceeds that of other machines in its class.

www.sgi.com/o2

Workstations Markets: Digital Content | CAD/CAE | Visual Simulation | Scientific Visualization

Silicon Graphics® 230
Silicon Graphics® 330
Silicon Graphics® 550

The Silicon Graphics 230, 330, and 550 visual workstations provide traditional SGI graphics performance in an industry-standard architecture. By leveraging the advanced VPro subsystem, the family sets a new standard for graphics application performance for the Windows and Linux operating systems. The entry-level Silicon Graphics 230 workstation delivers high-performance graphics to technical and creative professionals at a very affordable price. The two-processor Silicon Graphics 330 workstation offers scalability, flexibility, and solid price/performance for a range of applications. And with its advanced graphics processing power and an architecture designed to handle large data sets, the Silicon Graphics 550 workstation accommodates the needs of the most demanding power users. Silicon Graphics 230, 330, and 550 make high-performance graphics more accessible than ever before.

www.sgi.com/workstations/230
www.sgi.com/workstations/330
www.sgi.com/workstations/550

Workstations Markets: Virtual Sets | Real-Time Motion Capture | Visual Simulation | MCAD | Graphic Arts | Animation | Scientific Visualization

Silicon Graphics
Zx10™

As the most advanced line of systems from SGI based on the IA-32 architecture, the Silicon Graphics Zx10 visual workstation family delivers the highest throughput and fastest system performance of any Windows NT® graphics workstation. Designed with Wahoo Technology, the latest 3Dlabs Wildcat accelerators, a 133 MHz front-side bus, and single or dual Pentium III processors, the unique Silicon Graphics Zx10 architecture runs power-hungry visual computing and 3D applications at extraordinary speeds. Silicon Graphics Zx10 workstations also offer unparalleled system bandwidth and internal storage for demanding visual and technical synthesis applications.

www.sgi.com/workstations/zx10
www.sgi.com/workstations/zx10ve

SGI™ RAID Storage

SGI offers a broad range of storage products to satisfy your high-performance storage requirements. From an internal PCI-based RAID controller to a multiple-terabyte, enterprise-class storage environment, all SGI storage solutions are designed to provide the highest levels of performance and scalability for technical and creative users. The SGI Total Performance family of RAID storage arrays is the perfect complement to the SGI 3000 family of high-performance servers and systems. SGI™ TP9100 provides the performance and features of a midrange storage product at an entry-level price, and SGI™ TP9400 combines end-to-end Fibre Channel technology and offers the highest performance RAID storage subsystem in its class. Together with the SGI CXFS™ clustered filesystem, SGI storage solutions deliver no-compromise data sharing through your SAN, providing direct, high-speed physical connections between multiple hosts and disk storage.

www.sgi.com/products/storage

sgi™

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