

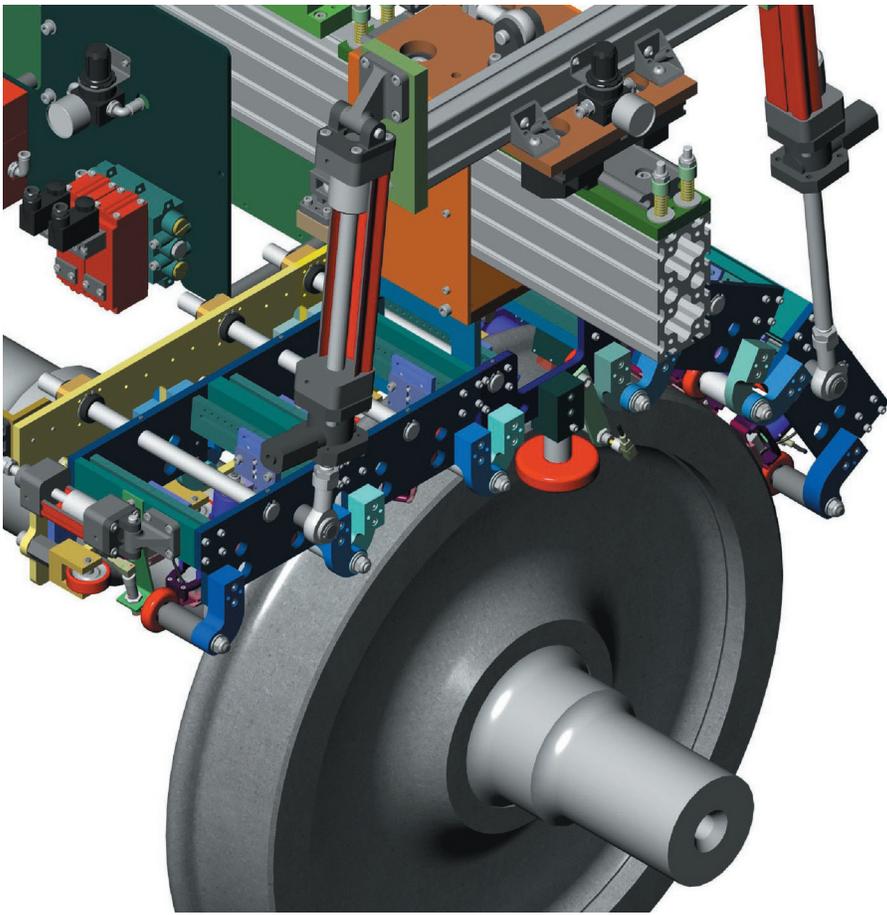
For more information on HP products, please visit
www.hp.com/go/workstations or call 1 800 752 0900 in the U.S.

For more information on the HP and SolidWorks partnership,
please visit www.hp.com/go/solidworks.

© 2006 Hewlett-Packard Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein. Microsoft and Windows are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries. SolidWorks is a registered trademark of SolidWorks Corporation. Intel, Pentium and Xeon are trademarks or registered trademarks of Intel Corporation in the United States and other countries. Opteron is a trademark of Advanced Micro Devices, Inc.

5981-2191EN, 1/2006





HP and SolidWorks
Faster. Better. More Reliable.

HP is SolidWorks' #1 Hardware Marketing Partner

SolidWorks Corporation maintains an unyielding focus on mechanical design and sets the global standard for 3D mechanical design software. The company helps organizations reduce time to market, design better quality products faster and maintain a competitive advantage by delivering powerful 3D design capabilities and unmatched ease of use at

“HP is one of SolidWorks Corporation’s top hardware partners, providing tested and certified workstations optimized for SolidWorks software. Customers will be delighted with the new HP Performance Tuning Framework tool for SolidWorks, and with how well HP workstations handle RealView and other unique SolidWorks features.”

Brian Houle, Hardware Partner Manager,
SolidWorks Corporation

an affordable cost. SolidWorks Corporation continually develops product innovations and features to stay in step with customer needs and deliver the enhancements to meet those needs.

SolidWorks® software

The company’s flagship product is SolidWorks, the world’s leading mainstream 3D design software. Innovative, yet proven, SolidWorks offers unmatched performance and time-saving capabilities, allowing engineers and designers to get more done faster and more accurately.



Consider these features:

Specialized built-in design tools

Unique productivity enhancements for designers of machinery, consumer products and molds.

2D-to-3D transition tools

Create 3D models from existing 2D data with the best available transition tools.

Design communication

Enjoy unmatched design communication capabilities, including eDrawings, an email-enabled communication tool that makes it easy to share product design information.

RealView

The most realistic real-time rendering capability available within a 3D mechanical design system.

Surfacing

Generate complex surfaces using lofts and sweeps with guide curves, fill-in holes, and drag-handles for easy tangency control.

SolidWorks alliance

HP and SolidWorks provide engineers and design professionals with the tools they need to create, manage and deliver complex designs and large models in the fastest, most cost-effective way possible. HP workstations provide the sheer muscle, technology and advanced graphics to establish the backbone of a superior solution and come backed by legendary HP reliability, support and innovation. Indeed, HP considers every need from exclusive utilities to optimized configurations to complementary hardware—all to make SolidWorks users more productive, spur innovation and deliver a superior return on investment. When you want to get more from a SolidWorks solution, you can trust HP.

HP: Engineered for Innovators



Powerful workstations

HP workstations combine the latest graphics and technologies with HP expertise and reliability to create a superior, customized SolidWorks solution.

Processor power. Processor technology.

HP workstations use the world's fastest processors and offer unrivaled choices so engineers can build a technological solution to meet their needs, while maximizing productivity and value. HP offers Intel® Pentium®, Intel Xeon®, and AMD Opteron™-based workstations. Whether you use a mainstream design program or need extreme graphics performance and power for complex simulations and large models, HP has a workstation ideal for you.

HP has the future covered as well. All HP Intel and Opteron-based workstations are equally capable of running 64-bit applications or 32-bit applications with no performance loss¹. That means when you are ready to begin 64-bit computing, your HP workstation will be ready and waiting for your new 64-bit operating system and applications.

Professional graphics

HP works extensively with its software partners and graphics vendors to deliver thoroughly tested, application certified graphics to market faster. This means that you have a workstation you can trust will perform in even the most demanding CAD environment. It also means that HP has developed the expertise to provide you extensive support and quick resolution if an issue arises down the road.

Low noise design

HP workstations reduce work environment noise with new circuitry that allows fans to run quieter at lower speeds when the system is idle or running low-power applications, but retain the ability to accommodate high-power applications and configurations.

Why choose a workstation instead of a PC?

An HP workstation improves productivity and increases return on investment by delivering better performance, stability, support and expandability. A PC is a lower-cost system designed for a variety of home and standard business tasks, not the complex CAD needs of engineers and design professionals. Users trying to move from 2D to 3D on a PC will find that 3D applications demand workstation performance.

Consider these HP workstation benefits:

- **Performance:** HP workstations are designed for better performance. They include workstation-level chipsets, professional-level graphics, high-performance memory, a choice of one or two processors, and applications that are certified and tested for stability.
- **Graphics:** Professional graphics cards designed for CAD applications—not games. Workstations handle the toughest 3D visualization, feature OpenGL support and offer specific application support to maximize performance.
- **Memory:** HP workstations feature ECC and DDR-2 memory for greater performance.
- **Application stability:** Engineers test and certify workstations with specific applications to ensure stability and reliability. Workstations also include optimized drivers.
- **Greater expandability:** HP workstations feature additional and higher powered PCI slots, higher RAM capacity through more memory slots, higher disk capacity and higher capacity power supplies.



HP recommends Microsoft® Windows® XP Professional

HP Recommended Configurations for SolidWorks

Standard User	Advanced User	Power User
<p>HP xw4300 Workstation Microsoft® Windows® XP Professional Intel Pentium 4 processor, 3.6 GHz with 800 MHz FSB 2 GB DDR-2 667 MHz ECC memory NVIDIA Quadro FX 1400 graphics card HP L2035 20-inch Flat Panel Monitor 74 GB SATA hard drive (10,000 rpm) 48X CD-RW Drive HP SpacePilot</p>	<p>HP xw6200 Workstation Microsoft Windows XP Professional Intel Xeon processor, 3.6 GHz with 800 MHz FSB Intel Extended Memory 64 Technology 4 GB ECC DDR-2 400 MHz SDRAM ATI FireGL V5100 graphics card HP L2335 23-inch Flat Panel Monitor (2) 73 GB Ultra320 SCSI hard drives (10,000 rpm) 48X CD-RW Drive HP SpacePilot</p>	<p>HP xw9300 Workstation Microsoft Windows XP Professional x64 AMD Opteron 252 processor with AMD HyperTransport™ technology (2.6 GHz, 1 GHz Bus) 8 GB ECC DDR 400 MHz SDRAM NVIDIA Quadro FX 4500 graphics card Dual HP L2335 23-inch Flat Panel Monitors (2) 146 GB Ultra320 SCSI (15,000 rpm) hard drives 48X CD-RW Drive HP SpacePilot</p>

HP Personal Workstations

HP continues to build on more than 20 years of workstation technical and graphics expertise. HP's latest workstations redefine personal performance and value by offering affordable technology that delivers the best return on investment.

HP xw4300 Workstation

The HP xw4300 is a low-cost, high-performance, single or dual core processor workstation ideal for the mainstream SolidWorks engineer. It features a 64-bit Intel Pentium or a dual core Intel Pentium D processor, PCIe x16 graphics, dual-channel memory and support for Intel 64-bit technology and Intel Hyper-Threading (HT)ⁱⁱ Technology.

HP xw6200 Workstation

The HP xw6200 is ideal for the power user who needs an expandable dual-processor workstation in an affordable small package. It features an Intel high-performance chipset, up to two Intel Xeon processors and PCIe x16 graphics. The HP xw6200 also supports Intel 64-bit technology and Intel HT Technology.

HP xw8200 Workstation

The HP xw8200 is perfect for power users who need a dual Intel Xeon processor workstation that provides excellent graphics performance, impressive power and expandability. It features a high-performance chipset, support for Intel 64-bit technology and Intel HT Technology, a large memory configuration, and PCIe x16 graphics.

HP xw9300 Workstation

The HP xw9300 offers extreme 64-bit performance and visualization for compute-intensive environments, making it the fastest workstation available for SolidWorks 3D. It is built around one or two AMD single or dual core Opteron 200 series processors and features the NVIDIA nForce Professional chipset, making it the first Opteron-based workstation to offer PCI Express graphics and support for SLI (dual graphics) technology. It provides industry-leading performance and a 1 GHz HyperTransport bus, and offers SATA 3 Gb/s drive technology and full speed memory at maximum configurations. It runs either 32-bit or 64-bit Microsoft Windows operating systems.



HP xw4300 Workstation
Certified for SolidWorks
Evolutionary low-cost, high-performance workstation. Ideal for mainstream SolidWorks software users who need a single or dual core processor workstation.



HP xw6200 Workstation
Certified for SolidWorks
Ideal workstation for advanced SolidWorks software users who need dual-processing power and large memory capacity, but have limited space.



HP xw9300 Workstation
Certified for SolidWorks
Top-of-the-line dual processor workstation. Ideal for power engineers who work with huge data sets, require advanced 3D modeling capabilities and other features.



HP nw8240 Mobile Workstation
Certified for SolidWorks
Perfect for road warriors who need the power and graphics performance of a workstation and the mobility of a notebook. Ideal for remote design presentations.

Intel Pentium 4 or D processor	1 or 2 Intel Xeon processors	1 or 2 AMD Opteron processors	Intel Pentium M processor
Single or dual core processors	Microsoft Windows XP Professional	Single or dual core processors	Microsoft Windows XP Professional
Microsoft Windows XP Professional	800 MHz front side bus	Microsoft Windows Professional x64	ATI Mobility Fire GL V5000
1066 MHz front side bus	Intel E7525 chipset	AMD HyperTransport technology	Mobile Intel 915pm express chipset
Intel 955X Express chipset	Up to 8 GB ECC DDR-2 memory	NVIDIA nForce Professional chipset	128 MB video memory
Up to 8 GB DDR-2 memory	Intel 64-bit technology	Up to 32 GB ECC memory	15.4 inch WXGA display
Intel 64-bit technology	PCI Express x16 graphics	64-bit performance	Starts at 5.8 lbs.
PCIe x16 graphics	HP Performance Tuning Framework	Dual PCI Express x16 graphics	HP Performance Tuning Framework
HP Performance Tuning Framework		Integrated SATA 3 Gb/s controller	

HP Compaq nw8240 Mobile Workstation

The HP nw8240 is great for users who require the power, graphics and expandability of a workstation, yet need the mobility of a notebook. The HP nw8240 is ideal for design review in the field or on the road. It features a 15.4-inch wide-screen display and an Intel Pentium M processor. The ATI Mobility FireGL V5000 graphics controller and 128 MB graphics memory deliver the speed and 3D rendering capabilities necessary for complex designs.

Engineering productivity

HP understands the entire engineering picture. In addition to reliable, high-quality products, HP makes owning and maintaining an HP workstation easy with extensive support and exclusive productivity-enhancing tools.

HP Application Competency Center

HP and SolidWorks Corporation engineers work to provide customers with reliable, easy-to-own solutions and breakthrough technologies that increase productivity. Engineers work collaboratively to ensure products perform as expected and conduct extensive testing to certify entire systems—hardware, software and graphics. This special attention provides workstations that are finely tuned for SolidWorks software.

HP Performance Tuning Framework

This exclusive HP tool makes it a snap to configure and update HP Personal Workstations, improving stability and performance. The Framework supports large memory use, allows optimum driver selection, simplifies driver updates and management and aids in system configuration information to ease upgrading. The Framework has many features for professional workstation users that will significantly boost productivity.

The Framework also allows users to accurately monitor memory use. A customizable and intuitive graphic interface displays exactly how much physical system memory and virtual memory are being used and by which applications and over periods of time. This feature will also alert users when memory use is nearing or exceeding physical resources and provide suggestions for solving memory issues.

HP Remote Graphics Software

HP Remote Graphics Software allows you to remotely access and share your graphics workstation desktop—even across different platforms, to provide a “just-like-local” experience. Underlying HP Remote Graphics Software is HP network display technology—based on a smart digital image compression method and a rapid image processing algorithm. With this technology, remote 3D graphics access has become real. Performance and image quality are outstanding, yet



network usage is kept to a minimum. Just think of the possibilities:

- Access SolidWorks remotely from a workstation
- Collaborate across firewalls and continents
- Effectively and securely collaborate with subsidiaries and partners at remote locations.

HP SpacePilot

The HP SpacePilot 3D motion controller allows you to use one hand to manipulate your SolidWorks design while the other uses a traditional mouse to execute commands and edit the design—greatly increasing productivity. In addition, HP offers a unique enhancement for the SpacePilot motion controller through the HP Performance Tuning Framework that simplifies set-up time. The Framework can automatically configure and program your SpacePilot motion controller for SolidWorks applications, setting it to the most frequently used options.

More complete solutions

In addition to workstations, HP provides an unmatched array of integrated technology products. These products include: HP iPAQ Pocket PC mobile organizer, servers, large format printers, the HP Tablet PC and storage products.

For more information about HP and SolidWorks solutions, please visit www.hp.com/go/solidworks.

Contact Information

HP Corporate Headquarters: +1 (650) 857 1501
3000 Hanover Street
Palo Alto, California 94304-1185
www.hp.com

Regional Headquarter Offices

Hewlett-Packard Canada Ltd.: (905) 206 4725
5150 Spectrum Way
Mississauga, Ontario
L4W 5G1
Canada

Hewlett-Packard Latin America: +1 (305) 267 4220
Waterford Building, 9th Floor
5200 Blue Lagoon Drive
Miami, Florida 33126 USA

Hewlett-Packard USA: (281) 370 0670
20555 SH 249
Houston, TX 77070 USA

Asia Pacific
Hewlett-Packard Asia Pacific Ltd.: (+65) 6275 3888
450 Alexandra Road
Singapore 119960

Hewlett-Packard Japan: (+81) 3 5463 6600
Tennozu Central Tower
2-2-2-4 Higashi-Shinagawa
Shinagawa-Ku
Tokyo 140-8641 Japan

Europe, Middle East, Africa: (+41) 22 780 8111
Hewlett-Packard
150 Route du Nant-d'Avril
1217 Meyrin 2
Geneva, Switzerland

HP Sales Offices

Australia: (+61) 13 13 47
<http://welcome.hp.com/country/au/eng/welcome.html>
Brazil: (+55) 11 4197 6700
<http://welcome.hp.com/country/br/por/welcome.html>
Canada: (+905) 206 4725
<http://welcome.hp.com/country/ca/eng/welcome.html>
China: (+86) 10 6564 3888
<http://welcome.hp.com/country/cn/chi/welcome.html>
France: (+33) 1 6982 6060
<http://welcome.hp.com/country/fr/fre/welcome.html>
Germany: (+49) 70 31 14 0
<http://welcome.hp.com/country/de/ger/welcome.html>
India: (+91) 11 682 6000
<http://welcome.hp.com/country/in/eng/welcome.html>
Italy: (+39) 2 9212 1
<http://welcome.hp.com/country/it/ita/welcome.html>
Japan: (+81) 3 3331 6111
<http://welcome.hp.com/country/jp/jpn/welcome.html>
Korea: (+82) 22199 0114
<http://welcome.hp.com/country/kr/kor/welcome.html>
Malaysia: (+60) 3 2698 6555
<http://welcome.hp.com/country/my/eng/welcome.html>
Mexico: (+52) 5258 4600
<http://welcome.hp.com/country/mx/spa/welcome.html>
Netherlands: (+31) 20 547 6911
<http://welcome.hp.com/country/dut/welcome.html>
Norway: (+47) 2273 5600
<http://welcome.hp.com/country/no/nor/welcome.html>
Portugal: +351 (1) 301 73 43
<http://welcome.hp.com/country/pt/por/welcome.html>
Singapore: (+65) 6275 3888
<http://welcome.hp.com/country/sg/eng/welcome.html>
South Africa: (+27) 11 785 1000
<http://welcome.hp.com/country/za/eng/welcome.html>
Spain: +34 (91) 631 16 00
<http://welcome.hp.com/country/es/spa/welcome.html>
Switzerland: (+41) 844 711 111
<http://welcome.hp.com/country/ch/fre/welcome.html>
Thailand: (+66) 2 353 9500
<http://welcome.hp.com/country/th/eng/welcome.html>
United Kingdom: (+44) 1344 36 0000
<http://welcome.hp.com/country/uk/eng/welcome.html>
United States: +1 (281) 370 0670
www.hp.com

- i An EM64T enabled workstation should provide leading performance for many 32-bit applications. Although not all 32-bit applications may run as normal when you decide to change to a 64-bit operating system, many will, providing excellent flexibility. It is advised to pre-test your applications by visiting Microsoft's 64-bit 120 day free trial before you order EM64T (www.microsoft.com/windowsxp/64bit/evaluation/trial.msp). EM64T requires a computer system with a processor, chipset, BIOS, operating system, device drivers and applications enabled for Intel 64-bit processor will not operate (including 32-bit operation) without a 64-bit enabled BIOS. Performance will vary depending on your hardware and software configurations. See www.intel.com/info/em64t for more information including details on which processors support Intel EM64T or consult with your system vendor for more information.
- ii Hyper-Threading (HT) Technology requires a computer system with an Intel Xeon processor supporting HT Technology and an HT Technology enabled chipset, BIOS, and operating system. Performance will vary depending on the specific hardware and software you use. See <http://www.intel.com/info/hyperthreading/> for more information including details on which processors support HT Technology.