The HP commitment to innovation and solutions excellence, and HP’s relationship with SolidWorks® Corporation provide you with an engineering edge. HP workstations are built with the latest technology, including processors from Intel® or AMD; professional graphics cards from NVIDIA or AMD ATI; Microsoft® Windows® operating systems; high-speed storage; fast, reliable memory that is designed, tested and built for both high performance and extreme stability when running professional applications; and HP Performance Tuning Framework. In addition, all workstations can run HP Remote Graphics Software. You get world-class design and unique, HP features, providing you with an engineering edge that helps maximize your design productivity.

**HP Innovation**

HP innovation is most evident in our first-to-market features. Innovation keeps you ahead of your competition by helping to improve productivity and shorten design cycles. HP workstations were first to include 64-bit1 architecture, quad-core2 processing, 80 PLUS efficient power supplies, tool-less chassis, state-of-the-art acoustics and liquid cooling.

**HP Engineering Helps You**

HP engineers focus their technical expertise on the complete solution—SolidWorks applications running on HP hardware. SolidWorks applications are thoroughly tested and certified on our workstations, so you can be assured that your solution works flawlessly. We leverage this application knowledge in HP Performance Tuning Framework, which enables you to adjust settings to assure your applications reach peak performance. If the need arises, our application experts are available for support calls and resolving customer issues. Together with SolidWorks, we help customers achieve their goals.

**SolidWorks Corporation**

SolidWorks Corporation focuses on mechanical design and SolidWorks 3D CAD software. The company helps organizations reduce time to market, design better quality products faster and maintain a competitive advantage by delivering powerful yet affordable 3D design solutions.

**SolidWorks 3D CAD Software**

The company’s flagship product is SolidWorks, the world’s leading 3D CAD software. With a history of innovation, SolidWorks offers excellent performance and time-saving capabilities that allow engineers and designers to complete more work with greater accuracy. Its features include:

- Specialized, built-in design tools
- Unique productivity enhancements for designers of machinery, consumer products and molds
- 3D models from existing 2D data with the best available 3D adoption tools

**Design communication**

SolidWorks Corporation provides unmatched design communication capabilities, including eDrawings®, a SolidWorks email-enabled tool that makes it easy to share product design information and PDMWorks® to organize, share and manage product data.

**RealView™**

RealView is 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.
HP and SolidWorks Together
HP has a unique relationship with SolidWorks, working as one of its top hardware partners. This allows HP and SolidWorks to offer a comprehensive portfolio of solutions that address the needs of our customers—like Factory Five Racing and Orange County Choppers—with innovative hardware and software that is tuned and integrated. Our close relationship and engineering expertise assure solutions that perform not only today, but for the long run.

HP Remote Graphics Software
HP Remote Graphics Software (RGS) is an advanced utility that allows you to remotely access and share your workstation, its 3D graphics power and all of its applications. Using patented HP compression technology, RGS minimizes network usage\(^3\) and enables remote access without compromising performance or image quality. The technology enables real-time sharing of high-resolution imagery, allowing creative teams from multiple remote sites to function like they are all in the same room. Engineers and designers find immense value in the technology because communication is instantaneous and more people can participate. It speeds the design process.

HP Performance Tuning Framework
This exclusive HP tool—pre-installed on all HP Personal Workstations—makes it a snap to configure and update HP workstations, improving their stability and performance. HP Performance Tuning Framework (PTF) has many features to help you work faster and more productively, while reducing hassles. HP PTF can:
- Provide a detailed configuration report so you can easily see what’s on your system.
- Organize graphics driver certification information to help you make informed decisions when loading the latest drivers.
- Track memory use and graphically display how applications and processes use physical and virtual memory.
- Measure subsystem performance using Vista Performance monitoring.

HP PTF offers numerous other features, some of which are application specific. The SolidWorks support staff is trained on HP PTF, so just send your PTF configuration file when there is a problem—it’s as simple as that. Best of all, HP PTF is free.

HP Two-handed CAD
Two-handed CAD provides substantial personal productivity boosts for most users. HP’s 3D motion controller complements a traditional mouse to deliver the advantages of two-handed CAD to SolidWorks. Users can easily change the center of rotation and quickly pan, zoom and animate assemblies. HP’s 3D motion controller allows you to work faster with less movement, and significantly fewer mouse clicks.
HP workstation or PC?
For SolidWorks professionals, the answer is easy!

Engineering and design professionals require high-performance systems to support their complex 2D and 3D applications. HP workstations offer advanced features that deliver more power, stability, and dependability than standard PCs, including:

- Workstations designed to process the data sets and execute the instructions of complex applications for the CAD and CAE market.
- Full testing and certification for most CAD and CAE applications.
- Enhanced processing power using AMD and Intel processors.
- More memory capacity and expandability than PCs.
- Professional-level graphics cards and advanced chipsets for high performance (not typically found on PCs).
- Disk drives that ensure high performance and reliability.

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

Screen images courtesy of SolidWorks and image courtesy of Factory Five Racing.

1. 64-bit computing on Intel architecture requires a computer system with a processor, chipset, BIOS, operating system, device drivers and applications enabled for Intel 64 architecture. Processors will not operate (including 32bit operation) without an Intel 64 architecture-enabled BIOS. Performance will vary depending on your hardware and software.
2. Dual-Core and Quad-Core are new technologies designed to improve performance of multithreaded software products and hardware-aware multitasking operating systems and may require appropriate operating system software for full benefit. Not all customers or software applications will necessarily benefit from use of this technology.
3. Performance subject to network speed.

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HP xw4550 Workstation

The HP xw4550 Workstation makes the power of a highly reliable, professional-class system affordable for most small and mid-sized businesses. Tested and optimized for SolidWorks, the HP xw4550 provides performance, expandability, entry-to-mid-range 3D graphics and certified applications. Its AMD Opteron™ Dual-Core™ processor is second-generation technology. Designed with a tool-less chassis for easy service, the HP xw4550 Workstation can be configured with a variety of processor speeds and memory configurations to suit your specific requirements. With an 80 PLUS efficient power supply standard and ENERGY STAR® qualified configurations, the HP xw4550 is designed to optimize energy use. This workstation’s combination of price and performance make it an outstanding value.

HP xw4600 Workstation

The HP xw4600 Workstation combines next-generation performance technology with expandability, reliability and affordability. It is based on the new Intel® X38 Express performance chipset and the latest workstation-class Dual- and Quad-Core™ Intel processors. The HP xw4600 supports up to 8GB of memory and comes with your choice of 2D or 3D professional graphics cards. It’s powerful enough to meet the demanding requirements of data-intensive applications like Computer-Aided Design and Photorealistic Rendering. Optional Remote Graphics Software allows you to access and share the desktop of a remote computer over a standard network, making your busy life a bit easier. HP Performance Tuning Framework lets you optimize your system for high performance. With an 80 PLUS efficiency power supply standard and ENERGY STAR® qualified configurations, the HP xw4600 is designed to optimize energy use.
**HP recommends Windows Vista® Business**

**HP xw6600 Workstation**
The HP xw6600 Workstation is a high-performance machine engineered for environments where space is at a premium and noise must be minimized. Its Dual- or Quad-Core® Intel® Xeon® Processor with the new 45nm technology provides ample power for your team members to create, design and analyze more in less time. Its dual Gen2 PCI-e interfaces leverage an architecture that can deliver up to twice the graphic performance of previous systems. The HP xw6600 is designed for expandability in anticipation of your future needs. It achieves quiet operation by paying close attention to airflows, and by using quiet fan technology. Its system design is energy wise, using 80-watt processors and an 80 PLUS efficiency power supply.

**HP xw8600 Workstation**
The HP xw8600 Workstation is designed for extreme performance and limitless possibilities. It provides power, versatility and reliability for massive compute and visual capacity—to give your business a decided edge over the competition. The HP xw8600 meets the most demanding engineering, Computer-Aided Design and Photorealistic Rendering challenges with the latest Intel Dual- and Quad-Core® processors with the new 45nm technology. It integrates the Intel 5400 chipset to deliver four times the graphics processing throughput of previous generation systems. The HP xw8600 features the greatest expandability and range of options available in the HP Workstation family. Its 80 PLUS efficiency power supply makes the most of every watt of power, and its tool-less chassis means it’s easy to service.

**HP xw9400 Workstation**
The HP xw9400 delivers uncompromised graphics performance and maximum expandability. It supports up to four 3D graphics displays, dual PCIe x16 graphics, and Dual-Core® AMD Opteron™ processors to meet the combined needs for computational power, visualization power, and I/O performance, while helping to lower your total cost of ownership. It’s an excellent choice for high-performance graphics solutions such as parallel rendering or compositing.

**HP xw460c Blade Workstation**
The HP xw460c Blade Workstation provides the perfect solution for those who are looking to leverage HP remote technologies to support remote sites, to protect Intellectual Property, to eliminate loading large files over the network, to centralize databases or to minimize total cost of ownership. The Blade workstation is a high performance machine and uses either Dual- or Quad-Core® Intel® Xeon® Processors, supporting one or two processors, powerful 3D NVIDIA graphics, and up to 32 GB of ECC DDR2 667 MHz Memory. It is an excellent choice for those looking for serious innovation in their design process.

**HP Compaq 8710w Mobile Workstation**
The HP Compaq 8710w Mobile Workstation redefines power on the move by combining the best in visualization and computational power into a sleek design with a 17-inch diagonal display to form HP's highest performing mobile workstation. You can run demanding applications like SolidWorks on this machine thanks to true 64-bit computing, NVIDIA graphics and support for up to 4 GB of memory. It features Intel Core 2 Duo® Processor technology with built-in remote manageability and proactive security.
## HP Recommended Configurations for SolidWorks

(ALL APPLICATIONS CERTIFIED)

### HP xw4600 Workstation
Genuine Windows Vista® Business 64-bit with
downgrade to Windows® XP Professional x64
custom installed
- Intel Core™ 2 Duo® Processor E6850/3.0 GHz
- 1333 MHz Front Side Bus
- Intel X38 Express chipset
- 4 GB DDR2-800 ECC memory
- NVIDIA Quadro FX1700
- HP LP2475w 24-inch Widescreen LCD Monitor
- HP Remote Graphics Software
- HP Performance Tuning Framework
- HP Scroll Mouse
- HP SpacePilot
- Application certified
- 3–year limited warranty

### HP xw6600 Workstation
Genuine Windows Vista® Business 64-bit with
downgrade to Windows® XP Professional x64
custom installed
- Dual-Core® Intel Xeon® Processor 5260/3.33 GHz
- 1333 MHz Front Side Bus
- 6 GB DDR2-667 ECC memory
- NVIDIA Quadro FX4600
- HP LP3065 30-inch Widescreen LCD Monitor
- HP Remote Graphics Software
- HP Performance Tuning Framework
- HP Scroll Mouse
- HP SpacePilot
- Application certified
- 3–year limited warranty

### HP xw8600 Workstation
Genuine Windows Vista® Business 64-bit with
downgrade to Windows® XP Professional x64
custom installed
- Dual-Core Intel Xeon Processor 5272/3.4 GHz
- 1600 MHz Front Side Bus
- 8 GB DDR2-800 ECC memory
- NVIDIA Quadro FX5500
- (2) HP LP3065 30-inch Widescreen LCD Monitor
- HP Remote Graphics Software
- HP Performance Tuning Framework
- HP Scroll Mouse
- HP SpacePilot
- Application certified
- 3–year limited warranty

### HP Compaq 8710w Mobile Workstation
Genuine Windows Vista® Business 64-bit with
downgrade to Windows® XP Professional x64
custom installed
- Intel Core 2 Duo® processor T7800
- 2.60 GHz
- 4 MB L2 cache
- 800 MHz Front Side Bus
- 17-inch diagonal WXUXGA display
- NVIDIA Quadro FX 3600m with 512 MB of memory
- 200 GB/7200 rpm SATA hard drive
- 4 GB DDR2-667 SDRAM memory
- DVD/CD RW Combo
- 7.5 pounds
- HP Remote Graphics Software
- HP Performance Tuning Framework
- Application certified
- 3–year limited warranty

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### HP xw9400 Workstation
Genuine Windows Vista® Business 64-bit with
downgrade to Windows® XP Professional x64
custom installed
- (2) Dual-Core® AMD Opteron Processor 2224SE
- 3.2 GHz
- AMD64 Technology
- 1 GHz AMD HyperTransport™ technology
- 8 GB DDR2-667 ECC memory
- (2) 300 GB/15k rpm SAS drive
- CD/RW/DVD-ROM Combo
- NVIDIA Quadro FX5500
- HP LP3065 30-inch Widescreen LCD Monitor
- Or, if color is critical to your job, choose
  - (2) HP DreamColor LP2480zx Professional Display, (24-inch diagonal widescreen)
- HP Remote Graphics Software
- HP Performance Tuning Framework
- Application certified
- HP SpacePilot
- 3–year limited warranty

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### Mobility

**HP xw9400 Workstation**
Genuine Windows Vista® Business 64-bit with
downgrade to Windows® XP Professional x64
custom installed
- Intel Core 2 Duo® processor T7800
- 2.60 GHz
- 4 MB L2 cache
- 800 MHz Front Side Bus
- 17-inch diagonal WXUXGA display
- NVIDIA Quadro FX 3600m with 512 MB of memory
- 200 GB/7200 rpm SATA hard drive
- 4 GB DDR2-667 SDRAM memory
- DVD/CD RW Combo
- 7.5 pounds
- HP Remote Graphics Software
- HP Performance Tuning Framework
- Application certified
- 3–year limited warranty
For more information about HP and SolidWorks solutions, please visit www.hp.com/go/solidworks.