

# Frequently asked questions



HP xw6600 WORKSTATION  
HP xw8600 WORKSTATION

## HP recommends Windows Vista® Business

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How is the HP xw6600 Workstation different from its predecessor the HP xw6400 which is also a dual Intel® Xeon® system?

## HP xw6400 WORKSTATION

### Processor:

Dual-socket; Dual- and quad-core<sup>1</sup>; Intel® Xeon®<sup>2</sup> Sequence 5100 and 5300<sup>3</sup> processors

### Chipset:

Intel 5000X

### Expansion slots:

1 PCIe x16 Graphics  
2 PCIe (x8 mechanically, x4 electrically),  
1 PCIe x16 mechanically (x4 electrically),  
2 legacy PCI slots

### Memory:

Up to 16 GB; 4 DIMM slots

### Hard drives:

80 GB<sup>4</sup> (7200 rpm) SATA 3.0-Gb/s ,  
160 GB<sup>4</sup> (7200 rpm) SATA 3.0-Gb/s NCQ,  
250 GB<sup>4</sup> (7200 rpm) SATA 3.0-Gb/s NCQ,  
500 GB<sup>4</sup> (7200 rpm) SATA 3.0-Gb/s NCQ,  
750 GB<sup>4</sup> (7200 rpm) SATA 3.0-Gb/s NCQ,  
80 GB<sup>4</sup> (10K rpm) SATA 1.5-Gb/s NCQ  
160 GB<sup>4</sup> (10K rpm) SATA 1.5-Gb/s NCQ  
146 GB<sup>4</sup> (10K rpm) SAS  
300 GB<sup>4</sup> (10K rpm) SAS  
73 GB<sup>4</sup> (15K rpm) SAS  
146 GB<sup>4</sup> (15K rpm) SAS  
300 GB<sup>4</sup> (15K rpm) SAS

### Graphics offerings:

(All graphics cards are PCIe)  
**Professional 2D:** NVIDIA Quadro NVS 285, NVIDIA Quadro NVS 440

**Entry 3D:** NVIDIA Quadro FX 560, ATI FireGL V3300

**Midrange 3D:** NVIDIA Quadro FX 1500, ATI FireGL V7200

**High-end 3D:** NVIDIA Quadro FX 3500, NVIDIA Quadro FX 4500 with optional Quadro G-Sync card

### USB ports:

8 USB 2.0 including one internal

### Power supply:

575 watts, Active Power Factor Correction

## HP xw6600 WORKSTATION

### Processor:

Dual-socket; Dual-core<sup>1</sup> up to 80 watts, higher clock speeds; Intel® Xeon®<sup>2</sup> Series 5200 and 5400<sup>3</sup> processors

### Chipset:

Intel 5400

### Expansion slots:

2 PCIe x16 Graphics  
2 PCIe (x8 mechanically, x4 electrically),  
2 legacy PCI slots

### Memory:

Up to 32 GB; 8 DIMM slots

### Hard drives:

80 GB<sup>4</sup> (7200 rpm) SATA 3.0-Gb/s ,  
160 GB<sup>4</sup> (7200 rpm) SATA 3.0-Gb/s NCQ,  
250 GB<sup>4</sup> (7200 rpm) SATA 3.0-Gb/s NCQ,  
500 GB<sup>4</sup> (7200 rpm) SATA 3.0-Gb/s NCQ,  
1000 GB<sup>4</sup> (7200 rpm) SATA 3.0-Gb/s NCQ,  
80 GB<sup>4</sup> (10K rpm) SATA 1.5-Gb/s NCQ  
160 GB<sup>4</sup> (10K rpm) SATA 1.5-Gb/s NCQ  
73 GB<sup>4</sup> (10K rpm) 2.5" SAS  
146 GB<sup>4</sup> (10K rpm) 2.5" SAS  
73 GB<sup>4</sup> (15K rpm) SAS  
146 GB<sup>4</sup> (15K rpm) SAS  
300 GB<sup>4</sup> (15K rpm) SAS

### Graphics offerings:

(All graphics cards are PCIe)  
**Professional 2D:** NVIDIA Quadro NVS 290, NVIDIA Quadro NVS 440

**Entry 3D:** NVIDIA Quadro FX 370, NVIDIA Quadro FX 570

**Midrange 3D:** NVIDIA Quadro FX 1700, ATI FireGL V5600

**High-end 3D:** NVIDIA Quadro FX 4600

### USB ports:

8 USB 2.0 including one internal

### Power supply:

650 watts 80 PLUS efficient, Active Power Factor Correction

How is the HP xw6600 Workstation different from the HP xw8600?

## HP xw6600 WORKSTATION

### Processor:

Dual-socket; Dual- and quad-core<sup>1</sup>; Intel® Xeon®<sup>2</sup> Series 5200 and 5400<sup>3</sup> processors; up to 80 watts

### Expansion slots:

6 slots  
2 PCIe x16 Graphics  
2 PCIe (x8 mechanically, x4 electrically)  
2 legacy PCI slots

### Memory:

Up to 32 GB DDR2-667 ECC; 8 DIMM slots

### Expansion bays:

(2) 3.5" or (3) 2.5" internal  
3 external

### IEEE 1394a:

Optional PCI slot

### SAS:

optional PCIe controller

### Security:

Optional Solenoid Hood Lock/Sensor Kit includes both chassis intrusion sensor and Solenoid Hood Lock

### Chassis dimensions:

(h x w x d)  
17.35 inches (44.1 cm) x 6.5 inches (16.5 cm) x 17.32 inches (44.0 cm)

## HP xw8600 WORKSTATION

### Processor:

Dual-socket; Dual- and quad-core<sup>1</sup>; Intel® Xeon®<sup>2</sup> Series 5200 and 5400<sup>3</sup> processors; up to 150 watts

### Expansion slots:

7 slots  
2 PCIe x16 Graphics  
2 PCIe X8 mechanically, (x4 electrically)  
1 PCIe x8 (switchable as x1 or x8)  
1 PCI-X 133MHz slot  
1 legacy PCI slot

### Memory:

Up to 128 GB DDR2-667 ECC; 16 DIMM slots (with 8 GB DIMMS—expected availability Q2/2008)

### Expansion bays:

5 internal 3.5"  
3 external 5.25"

### IEEE 1394a:

integrated (frees up I/O slots for other use)

### SAS:

8 channels integrated (frees up I/O slots for other use)

### Security:

Optional Chassis Intrusion Sensor  
Solenoid Hood Lock NOT supported

### Chassis dimensions:

(h x w x d)  
17.9 inches (45.5 cm) x 8.3 inches (21.0 cm) x 20.7 inches (52.5 cm)

How is the HP xw8600 Workstation different from its predecessor the HP xw8400 Workstation, which is also an Intel Xeon Processor-based system?

## HP xw8400 WORKSTATION

### Processor:

Dual-socket; Dual- and quad-core<sup>1</sup>; Intel® Xeon®<sup>2</sup> Sequence 5100 and 5300<sup>3</sup> processors; up to 120 watts

**Chipset:** Intel 5000X

### Expansion slots:

7 slots  
1 PCIe X16 Graphics  
1 PCIe X16 mechanically (x4 electrically)  
1 PCIe x8 mechanically (x4 electrically)  
3 PCI-X slots (one 133 MHz, two 100 MHz slots)  
1 legacy PCI slot

### Max memory:

Up to 32 GB

### Memory speed supported:

4 channel 667 MHz Fully Buffered DIMM

### Standard L2 cache:

4 MB shared on Series 5100; 2 x 4 MB on Series 5300

### Front side bus<sup>5</sup>:

1066 MHz dual system bus and 1333 MHz dual system bus (Intel Xeon 5100 dual core and Intel Xeon 5300 quad core)

### Hard drives:

80 GB<sup>4</sup> (7200 rpm) SATA 3.0-Gb/s  
160 GB<sup>4</sup> (7200 rpm) SATA 3.0-Gb/s NCQ  
250 GB<sup>4</sup> (7200 rpm) SATA 3.0-Gb/s NCQ  
500 GB<sup>4</sup> (7200 rpm) SATA 3.0-Gb/s NCQ  
750 GB<sup>4</sup> (7200 rpm) SATA 3.0-Gb/s NCQ  
80 GB<sup>4</sup> (10K rpm) SATA 1.5-Gb/s NCQ  
160 GB<sup>4</sup> (10K rpm) SATA 1.5-Gb/s NCQ  
146 GB<sup>4</sup> (10K rpm) SAS  
300 GB<sup>4</sup> (10K rpm) SAS  
73 GB<sup>4</sup> (15K rpm) SAS  
146 GB<sup>4</sup> (15K rpm) SAS  
300 GB<sup>4</sup> (15K rpm) SAS

**SATA channels:** 4 channels of SATA 3 Gb/s

**SATA RAID<sup>6</sup>:** 0, 1, 10

**Graphics offerings:** (All graphics cards are PCIe)

**Professional 2D:** NVIDIA Quadro NVS 285

**Entry 3D:** NVIDIA Quadro FX 560, ATI FireGL V3300

**Midrange 3D:** NVIDIA Quadro FX 1500, ATI FireGL V7200

**High-end 3D:** NVIDIA Quadro FX 3500, NVIDIA Quadro FX 4500 with optional Quadro G-Sync card

**Power supply:** 800 watts

## HP xw8600 WORKSTATION

### Processor:

Dual-socket; Dual- and quad-core<sup>1</sup>; Intel® Xeon®<sup>2</sup> Series 5200 and 5400<sup>3</sup> processors; up to 150 watts

**Chipset:** Intel 5400

### Expansion slots:

7 slots  
2 PCIe x16 Graphics  
2 PCIe X8 mechanically, (x4 electrically)  
1 PCIe x8 (switchable as x1 or x8)  
1 PCI-X 133MHz slot  
1 legacy PCI slot

### Max memory:

Up to 128 GB (with 8 GB DIMMS—expected availability Q2/2008)

### Memory speed supported:

4 channel 667 MHz Fully Buffered DIMM

### Standard L2 cache:

6 MB shared on Series 5200; 2 x 6 MB on Series 5400

### Front side bus<sup>5</sup>:

1333 MHz dual system bus Intel Xeon 5400  
1333/1066 MHz dual system bus on Intel Xeon 5200

### Hard drives:

80 GB<sup>4</sup> (7200 rpm) SATA 3.0-Gb/s  
160 GB<sup>4</sup> (7200 rpm) SATA 3.0-Gb/s NCQ  
250 GB<sup>4</sup> (7200 rpm) SATA 3.0-Gb/s NCQ  
500 GB<sup>4</sup> (7200 rpm) SATA 3.0-Gb/s NCQ  
1000 GB<sup>4</sup> (7200 rpm) SATA 3.0-Gb/s NCQ  
80 GB<sup>4</sup> (10K rpm) SATA 1.5-Gb/s NCQ  
160 GB<sup>4</sup> (10K rpm) SATA 1.5-Gb/s NCQ  
73 GB<sup>4</sup> (15K rpm) SAS  
146 GB<sup>4</sup> (15K rpm) SAS  
300 GB<sup>4</sup> (15K rpm) SAS

**SATA channels:** 8 channels of SATA 3 Gb/s

**SATA RAID<sup>6</sup>:** 0, 1, 10

**Graphics offerings:** (All graphics cards are PCIe)

**Professional 2D:** NVIDIA Quadro NVS 290

**Entry 3D:** NVIDIA Quadro FX 370, NVIDIA Quadro FX 570

**Midrange 3D:** NVIDIA Quadro FX 1700, ATI FireGL V5600

**High-end 3D:** NVIDIA Quadro FX 4600

**Power supply:** 800 and 1050 watts

<sup>1</sup> Quad-Core and Dual 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 benefits; check with software provider to determine suitability. Not all customers or software applications will necessarily benefit from use of these technologies.

<sup>2</sup> 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 32-bit operation) without an Intel 64 architecture-enabled BIOS. Performance will vary depending on your hardware and software.

<sup>3</sup> Intel's numbering is not a measurement of higher performance.

<sup>4</sup> 1 GB=1 billion bytes. Actual formatted capacity is less. Up to 8 GB of hard drive (or system disk) is reserved for the system recovery software (XP and XP Pro). Up to 12 GB of system disk is reserved for system recovery software. (Vista).

<sup>5</sup> Actual bus clock rate is less. Listed bus speed represents the effective data transfer rate.

<sup>6</sup> Hardware RAID is not supported on Linux systems. The Linux kernel, with built-in software RAID, provides excellent functionality and performance. It is a good alternative to hardware-based RAID. Please visit <http://h20000.www2.hp.com/bc/docs/support/SupportManual/c00060684/c00060684.pdf> for RAID capabilities with Linux.

Dual- and Quad-Core Intel Xeon 5200 and 5400 Series Processors/Intel 5400 chipset

What new technology is being introduced with the HP xw6600/xw8600 Workstations?

The xw6600 and xw8600 Workstations are based on the new Intel 5400 chipset and will use the new Dual- and Quad-Core Intel® Xeon® Series 5200 and 5400 processors. The HP xw6600/xw8600 Workstations with Dual-Core Intel Xeon Series 5200 processors should be available in Q1, 2008.

Is Hyperthreading Technology delivered on the new Intel Xeon 5200 and 5400 Series processors-based workstations?

No. The need for Hyperthreading has been nullified with true multi-core processors.

Dual-Core. Dual-Socket. Quad-Core. What do these terms mean?	Dual-socket	Two physical CPU sockets
	Dual-core	Each CPU package has exactly two processor cores
	Quad-core	Each CPU package has exactly four processor cores
	Dual-processor	Previous terminology for a system with two processors in two sockets

Will I have to change my golden image on the new HP Personal Workstations?

Yes. The HP xw6600 and xw8600 are new platforms based on new technology from Intel. Many of the system drivers are different than those used on the HP xw6400 or xw8400, therefore new golden images are necessary. Manageability software is provided to help with this image building process.

The HP xw8600 Workstation is “enabled” for 128 GB of memory. What does this mean?

The HP xw8600 Workstation is enabled to achieve the largest memory configuration supported by the new Intel 5400 chipset. With 16 slots available for memory expandability and 8 GB DIMMs (expected to be available Q2, 2008), the HP xw8600 can achieve 128 GB maximum. 128 GB is the maximum memory capacity that is validated by the Intel 5400 chipset and Intel Xeon Series 5200/5400 processors.

Do I have to recompile my applications to see the performance advantages of the new Intel Xeon Series 5200 and 5400 processors?

No, HP testing and Intel data indicate that technical applications show immediate performance increases based on the new processor and memory architecture.

How do I add the second processor to the HP xw6600 and xw8600 Workstations? Is a system board swap required?

CPU upgrades are field and customer installable without system board swaps using the HP xw6600 or HP xw8600 Workstation CPU upgrade kits. The second processor must be the same speed and stepping as the first.

## Operating systems

### What operating systems will run on the HP xw6600 and xw8600 Workstations?

Genuine Windows Vista® Business 32-bit\*  
Genuine Windows Vista® Business 64-bit\*  
Genuine Windows Vista® Business 32-bit\* downgrade to Genuine Microsoft® Windows® XP Professional 32-bit\*\*  
Genuine Windows Vista® Business 64-bit\* downgrade to Genuine Microsoft® Windows® XP Professional 64-bit\*\*  
Red Hat Enterprise Linux® WS 4 64-bit  
HP Installer Kit for Linux (includes drivers for both 32-bit and 64-bit OS versions of Red Hat Enterprise Linux® WS4 and WS5 Client)  
Certified on 32-bit and 64-bit Novell SUSE Linux Enterprise Desktop 10 (SLED 10) SP1, SUSE Linux Enterprise Server 10 (SLES 10) SP1, and SUSE Linux Enterprise Server (SLES 9) SP4.

\* Certain Windows Vista product features require advanced or additional hardware.  
See <http://www.microsoft.com/windowsvista/getready/hardwarereqs.msp> and <http://www.microsoft.com/windowsvista/getready/capable.msp> for details. Windows Vista Upgrade Advisor can help you determine which features of Windows Vista will run on your computer. To download the tool, visit <http://www.windowsvista.com/upgradeadvisor>.

\*\*Available for end user customers that are a business (including governmental or educational institutions) who are expected to annually order at least 25 Customer Systems with the same Custom Image.

### Is dual OS preload an option?

Dual OS preload will not be offered due to restrictions of licensing agreements.

## Linux

### Will the HP xw6600 and xw8600 Workstations support Linux?

Yes. Red Hat RHEL WS 4 (preload & HPIKL) & RHEL 5 Client (HPIKL) will be available.

### What is the HP Installer Kit for Linux?

The HP installer kit for Linux (HPIKL) is an HP-provided CD to be used in conjunction with a RHEL installation to complete your Linux workstation installation. Included on the HPIKL are:

- HP Driver CD for Red Hat Enterprise Linux WS 4 and 5 Client.
- NVIDIA and ATI accelerated graphics drivers that have passed HP quality standards and are compatible with the hardware platform and RHEL releases.
- HP Documentation links
- Additional hardware drivers provided by HP that are not part of the standard Red Hat Enterprise Linux releases.

All content provided on this CD is compatible with both RHEL WS 4 and RHEL WS 5 Client. For information on how to use the HP Driver CD, refer to the HP Linux Workstation User manual at [http://www.hp.com/support/linux\\_user\\_manual](http://www.hp.com/support/linux_user_manual) (See chapters 1-3).

### Does the HP Installer Kit for Linux actually contain the Red Hat Box Sets?

No, you must obtain the Red Hat Box Set of your choice. The HP Installer Kit for Linux is a CD set to be used in conjunction with a RHEL install and supports both Red Hat Enterprise WS 4 or 5. Red Hat requires that you purchase Red Hat Enterprise WS 4 or 5 client from Red Hat.

### HP is only offering a preload of RHEL WS 4 (64 bit). What if I want to run the 32 bit OS instead?

Included with the preloaded RHEL WS 4 workstation is a Red Hat Network registration card. Use this card to register your workstation with the Red Hat Network. This enables you to download all versions of Red Hat Enterprise Linux WS 3 or 4 for your workstation, and get any future updates from Red Hat as well. You can choose the 32 bit OS instead of the 64 bit OS if desired.

Note: See the detailed hardware support matrix at [http://www.hp.com/support/linux\\_user\\_manual](http://www.hp.com/support/linux_user_manual) for clarification of what minimum Red Hat release/update is required for Red Hat Enterprise Linux to function correctly on your workstation platform.

**Will I get recovery CD's with my preloaded Linux workstation?**

The OS delivery model for Red Hat Enterprise Linux is electronic. This is because of the Red Hat Network that Red Hat uses to continually provide updates for their customers for their operating system releases.

As a result HP has found that creating a set of OS installation CD's has limited value for the customer. They quickly want to register to the Red Hat Network and obtain newer OS versions or build their own custom golden image. So instead HP is including the OS install CD's as ISO images on a hard disk drive partition. The customer can choose to create install CD's from the ISO images if he prefers. Or he can get them from the Red Hat Network as well.

**What value does HP bring to Linux on personal workstations?**

- HP has a dedicated Linux R&D team with 20+ years of experience in OS and driver development
- HP partners with Red Hat to ensure timely enablement of our engineered solution
- HP partners with Novell to certify SUSE Linux Enterprise Desktop and Server distributions
- HP provides a single point of support (for warranty and extended software support services)
- HP has established multiple third-party partnerships to enable the complete Linux workstation solution
- HP engineering provides extensive pre-sales technical support
- HP publishes detailed documents, drivers, and white papers on the support website regarding Linux on HP workstations

**Why would I choose Linux on HP workstations?**

- HP Workstations deliver ROI-based solutions on industry standard platforms.
- HP partners with customers and key technology providers to deliver an HP engineered Linux workstation you can deploy quickly and with confidence.
- HP Linux workstation support team is trained to provide expert assistance for problems encountered by customers, backstopped by the R&D engineers.
- HP Workstations offer worry-free deployment through
  - HP worldwide service and support
  - HP accountability and indemnification

HP Workstations offers on-line technical white papers, drivers, and customer advisories enabling customers to support themselves more easily.

**Why is HP supporting Linux on workstations?**

Some of HP's technical workstation markets and customers rely on the Linux operating environment, both in their infrastructure and the applications that they use. In addition, many OEMs are turning to Linux as a cost-effective open source operating system for many different applications. This is especially true in the DCC, EDA, oil and gas, OEM, and some MCAD markets. Offering HP workstations with Linux is part of HP's overall multi-OS strategy which provides Linux and Windows solutions to customers.

**Where can I find (in detail) what workstation hardware is supported by Red Hat Linux?**

At [www.hp.com/support/linux\\_hardware\\_matrix](http://www.hp.com/support/linux_hardware_matrix) is a detailed hardware support matrix that is kept up to date every month with the latest support information for hardware platforms and their components. This matrix will indicate the minimum RHEL update version required for the workstation platform to operate correctly. As well it will indicate what add-in components are supported by RHEL.

**Where can I find technical information to guide my installation, configuring, or customizing of my Linux workstation solution?**

At [www.hp.com/support/linux\\_user\\_manual](http://www.hp.com/support/linux_user_manual) under "setup, install, and configure" you will find multiple white papers on Linux configuration tips such as enabling large memory configurations, hyper threading, multi-headed graphics configurations, and release notes for each Red Hat Enterprise Linux Update.

**Why is HP enabling the Red Hat distribution?**

HP has a strategic corporate relationship with Red Hat resulting in Red Hat solutions across all of HP product lines. As well, Red Hat has a market presence that results in customer demand for this distribution. The ISV's of importance to the Linux workstation market are certified on Red Hat Enterprise Linux as well.

**Will Linux distributions other than Red Hat work on HP workstations?**

HP has reviewed and tested the performance, functionality, and reliability of the Red Hat distribution on the hardware platform and made any required adjustments. As a result, support for the Red Hat distribution is available from HP and from Red Hat. HP has also worked with Novell to certify the hardware platform on Novell SUSE Linux Enterprise distributions; customer support for these distributions is available from Novell. Other Linux distributions may work on the hardware platform but are not certified at this time.

At [www.hp.com/support/linux\\_hardware\\_matrix](http://www.hp.com/support/linux_hardware_matrix) you can find a detailed hardware support matrix that is kept up to date every month with the latest support information for hardware platforms and their components.

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**What is HP's Linux strategy in the future?**

HP workstations are continually evaluating market trends along with customer requirements to determine solutions that best meet customer needs. HP's corporate strategy is strategic relationships with both Red Hat and Novell/SUSE and many of HP's products offer both Red Hat and SuSE distributions.

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**What does the future hold for HP and Linux?**

HP simplifies the integration of open source and Linux! Our solutions are built with best-of-breed software from our industry leading partners, complemented by HP value-add in areas like management and high availability clustering, implemented on market-leading standards-based platforms, and supported by HP Services worldwide.

Known for its performance, scalability, reliability and low cost, Linux is proving to be the answer for workstation environments that were in the past traditionally a proprietary UNIX infrastructure. Such markets as Digital Content Creation (DCC), oil and gas, EDA, MCAD, and software development areas are adopting and using Linux in their infrastructures.

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**Why doesn't HP offer a dual boot with Windows and Linux?**

HP cannot offer dual boots due to licensing agreements.

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**Chassis design**

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**What's special about the HP Personal Workstations' chassis design?**

The HP Personal Workstations are housed in an intelligently designed chassis with tool-less access for servicing, upgrading and maintenance. Both workstations feature a quiet circuitry that allows the fans to run quieter at lower speeds when the system is idle or running low-power applications. Acoustic dampening hard drive rails minimize transmission of vibration from the hard drives into the chassis. This vibration isolation reduces system acoustics while protecting the hard drives from vibrations outside of the system.

The HP xw6600 is housed in one of the industry's smallest mid-range workstations allowing the HP xw6600 to fit under/in financial traders desks, OEM enclosures and in other space constrained environments. The HP xw6600 will support up to 8 monitors.

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**ISV certifications**

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**ISV certifications**

HP has very strong relationships with independent software vendors (ISV's). The software vendors recognize that HP is a critical partner in the industry, not only as a hardware OEM, but as a marketing and support partner. HP, in many cases, has engineering personnel located full-time on site at these software vendors' location providing technical support, application performance tuning, and graphics driver optimization.



Some of the applications listed in the table do not certify hardware, but they are listed as "targeted" applications. ISV certification is a critical aspect of the workstation value proposition. Workstation customers are running very complicated, high-end, technical applications and reliability and stability are an absolute requirement. The entry workstation is targeted at specific technical applications, many of which were listed above. The following table outlines the application certifications that are planned for the HP xw6600 and the xw8600.

DCC	Applications	6600	8600
Adobe	Premere/After Effects/Director/Flash	✓	✓
Avid	DNA Family (Nitris & Adrenaline)		✓
Avid	Pinnacle Liquid Family	✓	✓
Avid	Xpress Family		✓
Avid Computer Graphics	XSI	✓	✓
bluefish444	HD lust	✓	✓
Canopus	NX	✓	✓
DCC	Dieterle	✓	✓
DigiDesign	Pro Tools	✓	✓
Leitch	dps Reality/Quattrus	✓	✓
Matrox	DigiSuite Family, InfonetTV, RT.X100	✓	✓

MCAD/MCAE	Applications	6600	8600
Abaqus	CAE, Standard, Explicit	✓	✓
Ansys	Ansys	✓	✓
Autodesk	AutoCAD Architecture	✓	✓
Autodesk	AutoCAD Architecture Desktop	✓	✓
Autodesk	AutoCAD Land Desktop	✓	✓
Autodesk	AutoCAD MEP	✓	✓
Autodesk	Autodesk AliasStudio	✓	✓
Autodesk	Autodesk AutoCAD	✓	✓
Autodesk	Autodesk Building Systems	✓	✓
Autodesk	Autodesk Civil 3D	✓	✓
Autodesk	Autodesk Electrical	✓	✓
Autodesk	Autodesk Inventor	✓	✓
Autodesk	Autodesk Map 3D	✓	✓
Autodesk	Autodesk Mechanical	✓	✓
Autodesk	Autodesk Mechanical Desktop	✓	✓
Autodesk	Autodesk Revit Architecture	✓	✓
Autodesk	Autodesk Revit MEP	✓	✓
Autodesk	Autodesk Revit Structure	✓	✓
Bentley	MicroStation	✓	✓
CoCreate	OneSpace Designer Modeling (OSDM)	✓	✓
Dassault	CATIA V5	✓	✓
DS	Solidworks	✓	✓
Fluent	Fluent	✓	✓
ICEM	ICEM Surf	✓	✓
MSC	Patran	✓	✓
PTC	ProE	✓	✓
PTC	ProM	✓	✓
SensAble Technologies	FreeForm Modeling Plus, FreeForm Concept, PHANTOM Haptic Devices		✓
UGS	I-Deas	✓	✓
UGS	NX	✓	✓
UGS	NX Nastran	✓	✓
UGS	Solid Edge	✓	✓
UGS	TcVis	✓	✓



Oil and Gas	Applications	6600	8600
AustinGeo			✓
Dynamic Graphics			✓
EarthDecision/Paradigm	GoCad	✓	✓
LandMark	Flagship Products	✓	✓
LandMark	GeoGraphix		✓
LandMark	GeoProbe		✓
Paradigm	GeoDepths/VoxelGeo		✓
Roxar			✓
Schlumberger	Eclipse		✓
Schlumberger	GeoFrame	✓	✓
Schlumberger	Petrel	✓	✓
SMT			✓

Public Sector/Geospatial	Applications	6600	8600
Ardence	Ardence Secure and others	✓	✓
ESRI	ArcGIS	✓	✓
Lecia/ERDAS	Imagine Professional	✓	✓
Sensor	MEDx + RemoteView	✓	✓

Scientific Research/Life Management Sciences	Applications	6600	8600
SimulationPlus		✓	✓

Visualization	Applications	6600	8600
CEI	Ensign v8.0	✓	✓
ModViz	ModViz		✓

## Security

What security features are available on the HP xw6600 and xw8600 Workstations?

Security Feature	HP xw6600 Workstation	HP xw8600 Workstation
Padlock Support	✓ (standard/padlock optional)	✓ (standard/padlock optional)
Access Panel Key Lock	✓ (standard)	✓ (standard)
Chassis Intrusion Sensor	✓ (standard)	✓ (optional)
Kensington Cable Lock	✓ (optional)	✓ (optional)
Trusted Platform Module 1.2	✓ (Microsoft Windows environments only)	✓ (Microsoft Windows environments only)

## Manageability

What manageability features are available on HP Personal Workstations\*?

HP Client Management Solutions help you simplify management of our workstations and reduce total ownership costs. These integrated solutions are a result of extensive work between HP and its partner, Altiris, a leading provider of manageability solutions. HP Client Manager Software is a free of charge download available with all HP Personal Workstations. It allows you to centrally track, monitor and manage the hardware aspects of HP client systems on your network. Other benefits include:

Ability to get valuable hardware information such as CPU, memory, video and security settings

- Monitor system health to fix problems before they occur
- Install drivers and BIOS updates without visiting each workstation
- Remotely configure BIOS and security settings
- Automate processes to quickly resolve hardware problems
- Local recovery

\*Available on Microsoft Windows-based systems.

## What is the HP Performance Tuning Framework\*?

The HP Performance Tuning Framework is a free, preloaded utility which enables the most favorable configuration of HP Personal Workstations delivering stability and best performance. The Framework will guide your system setup, allowing a "custom" configuration that best matches the workstation to user requirements. This customization facilitates availability of the latest graphics cards and drivers and removes some memory restraints. The Framework's extensible design permits new configuration functionality and application support be easily integrated over time. To facilitate the delivery of such new features, the Framework automatically updates itself when newer versions become available. The Performance Tuning Framework, available only from HP, can help save both time and money and increase overall productivity.

For more information on the HP Performance Tuning Framework, go to:  
<http://h20331.www2.hp.com/hpsub/cache/285683-0-0-225-121.html>

\*Available without charge on Microsoft Windows-based systems.

## Options and accessories

### What options are available on HP Personal Workstations?

For a complete list of all options for HP Workstations, go to: [www.hp.com/accessories/workstations](http://www.hp.com/accessories/workstations)

## Warranty and support

### What is the warranty and support for the HP Workstations with Windows?

The warranty for HP Workstations with Windows is the standard 3-3-3 (3-year parts, 3-year labor and 3-year next business day on-site).

### What is the warranty and support for HP Workstations with Linux?

The warranty for HP Workstations with Linux is the standard 3-3-3 with ninety days of OS configuration and installation assistance.

### Will HP stand behind Linux when I have problems?

HP is the first place for support. Hardware and software warranties for the workstations with Linux will be the same as that of the Windows workstations. Extended hardware warranties and software support options are also available for purchase for if you need extended coverage.

### Why should you use HP support instead of Red Hat?

HP Linux support services are available on a global basis. HP offers predictable multi-platform expertise providing you with a single vendor who can effectively support Linux and Windows environments. HP has leveraged its proven support processes and extensive UNIX expertise to open source environments. HP offers a full portfolio of Linux services, ranging from phone-in assistance through proactive and mission critical services. In addition, a global education, installation and integration services and multi-vendor network services are available to meet Linux and multi-platform support.

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To learn more, visit [www.hp.com](http://www.hp.com)

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