



## HP and UGS

Easy. Reliable. Productive.

Powering complete solutions for Product Lifecycle Management

"The strength and viability of the partnership between UGS and HP has been predicated on delivering value to our mutual customers. This focus on delivering value in conjunction with HP has been instrumental in our gaining recognition as the premier supplier of advanced Digital Design solutions."

Robert Nierman, President  
Business Strategy & Marketing, UGS



## HP and UGS

Get more from PLM

### UGS: The PLM company

UGS works collaboratively with clients to create solutions that capture the promise of Product Lifecycle Management (PLM) and effectively establish a competitive advantage by accelerating time to market, improving quality and increasing revenue. PLM, an increasingly important business strategy, allows organizations to digitally manage a product's complete lifecycle—from concept to retirement—and thus gain higher business value from that product.

UGS delivers state-of-the-art, knowledge-driven, standardized and open systems that together represent the PLM industry's most comprehensive, flexible and innovative set of offerings. The company's leading products for PLM include NX and Teamcenter product suites.

#### **NX**

NX encompasses the industry's broadest suite of integrated applications to address the full range of development processes in product design, engineering and manufacturing. Unigraphics and I-ideas are now part of an NX solution. NX features styling and industrial design, design, simulation, validation and optimization, tooling, and machining.

#### **Teamcenter**

Teamcenter allows a company to manage and share all of the diverse intellectual assets created throughout the extended enterprise, as well as across the planning, development, manufacturing, and support phases of the product lifecycle. Teamcenter helps break down the barrier between engineering and the rest of the enterprise and establishes a secure, collaborative environment so users can share and leverage the enterprise's collective knowledge.

## More powerful workstations

HP workstations combine the latest graphics and revolutionary technologies with HP's reliability, support and technical expertise. The result? Workstations that can fill any PLM need from mainstream to extreme and are finely tuned for UGS applications.

#### **Intel Extended Memory 64 Technology**

This processor enhancement allows users to bust through the memory limitations of 32-bit architecture, greatly aiding in the design and manipulation of huge data sets and models. EM64T not only delivers superior performance for 64-bit applications, but also runs 32-bit applications with no drop in performance.

#### **Professional graphics**

HP works extensively with UGS and graphics vendors to deliver more thoroughly tested graphics to market faster—including PCI Express, which offers four times the total peak bandwidth and two times the unidirectional bandwidth of AGP 8X graphics.

### HP Personal Workstations

HP workstations boast high performance chipsets from Intel®, the latest technologies and graphics, and offer the compatibility of Microsoft® Windows® XP Professional.

#### **HP Workstation xw4200**

The HP xw4200 is a low-cost, high-performance, single processor workstation ideal for the mainstream NX engineer. This Intel Pentium® 4-based workstation features a PCI Express (16x) graphics interface, dual-channel memory and support for EM64T<sup>1</sup>.

#### **HP Workstation xw6200**

The HP xw6200 is ideal for the power user who needs a scalable, expandable dual-processor workstation in a small package. It features an Intel high-performance chipset, up to two Intel Xeon™ processors, a broad-range of ISV-certified 2D and 3D PCI Express graphics solutions and support for EM64T.



**HP Workstation xw4200**

Evolutionary low-cost, high-performance workstation. Ideal for mainstream UGS engineers and designers who need a workhorse uni-processor workstation.



**HP Workstation xw6200**

Expansive power for constrained spaces. Ideal workstation for advanced NX users who need dual-processing power and large memory capacity.



**HP Workstation xw8200**

Top-of-the-line dual processor workstation. Delivers extreme graphic and compute power to handle large assemblies with complex designs and CAE.



**HP Workstation c8000**

Extreme UNIX power to handle the most demanding technical workloads. Ideal UNIX workstation for NX. Efficiently runs both CAE and CAD on same system.



**HP nw8000**

Perfect for road warriors who need the power and graphics performance of a workstation and the mobility of notebook. Ideal for remote design presentations.

- > Intel Pentium 4 processor
- > 800 MHz front side bus
- > Intel 925X Express chipset
- > Up to 4 GB DDR memory
- > EM64T support<sup>1</sup>
- > HP Performance Tuning Framework
- > PCI Express (16x) graphics interface

- > 1 or 2 Intel Xeon processors
- > 800 MHz front side bus
- > Intel E7525 chipset
- > Up to 8 GB ECC memory
- > HP Performance Tuning Framework
- > EM64T support
- > ISV-certified 3D & 2D PCI Express graphics

- > 1 or 2 Intel Xeon processors
- > 800 MHz front side bus
- > Intel E7525 chipset
- > Up to 16 GB ECC memory
- > HP Performance Tuning Framework
- > EM64T support
- > ISV-certified 3D & 2D PCI Express graphics

- > 1 or 2 dual-core PA-8800 CPUs
- > HP Scalable Processor Chipset zx1
- > HP-UX 11i TCOE or MTOE
- > Up to 16 GB ECC memory
- > AGP 8X graphics
- > Full 64-bit architecture
- > Only 42 dBels of sound

- > Intel Pentium M processor
- > Microsoft Windows XP professional
- > ATI Mobility Fire GL T2
- > Full 3D OpenGL support
- > Up to 2 GB SDRAM
- > 5 hours of battery life
- > HP Performance Tuning Framework

<sup>1</sup> When available from Intel

**HP Workstation xw8200**

The HP xw8200 is perfect for power users who need a top-of-the-line dual Intel Xeon processor workstation with large computation and visualization capacity. It features a high performance chipset, support for EM64T, a large memory configuration and ISV-certified 2D and 3D PCI Express graphics solutions.

**HP Compaq Mobile Workstation nw8000**

The HP nw8000 is for users who require the power, graphics and expandability of a workstation, yet need the mobility of a notebook. Ideal for design review in the field or on the road. It features an Intel Pentium M processor and supports 3D OpenGL graphics.

**HP-UX workstations**

HP was the first to bring the latest industry-leading technologies to traditional UNIX workstation environments, delivering even more affordable choices for engineers.

**HP Workstation c8000**

The HP c8000 delivers extreme UNIX power to handle the complexities of large model system assemblies, design analysis and simulation. It features a full 64-bit architecture and operating systems and offers 16 GB of high-performance error checking and correcting (ECC) memory, industry leading AGP 8X graphics and the latest HP zx1 chipset.

**More engineering productivity**

**HP Application Competency Center**

HP engineers work onsite at UGS where they conduct extensive testing and certify entire systems—hardware,

software and graphics—that are optimized to run NX and other UGS applications. This unmatched collaboration provides users with reliable, easy-to-own solutions and breakthrough technology that increase productivity.

**HP Performance Tuning Framework**

The Framework with Hypertune for UGS<sup>2</sup> makes it easy to configure HP Personal Workstations, greatly improving stability and performance. The Framework supports large memory use, boosts graphics performance by up to 20 percent and simplifies driver updates and management.

**HP Remote Workstation Software**

New patented compression technology allows users to access workstations over unlimited distances with almost no performance loss. Users can operate NX from remote sites using desktops or laptops and still take advantage of workstation power. Unique sender/receiver technology makes it a snap to review or share designs remotely (no file transfers or special viewers), view simulation results and share designs, yet protect intellectual property by sending only the screen image.

**More complete solutions**

In addition to workstations, HP provides an unmatched array of integrated technology products. These products include: The HP Spaceball 5000, HP iPAQ Pocket PC, HP Visualization Center sv7, servers, large format printers, the Tablet PC, and storage products.

**For more information about HP solutions, please visit [www.hp.com/go/workstations](http://www.hp.com/go/workstations)**

<sup>2</sup>Supports: I-deas 9 and 10, NX1, NX2 and Unigraphics 18



For more information on HP products, please visit  
[www.hp.com/go/workstations](http://www.hp.com/go/workstations) or call 1 800 752 0900 in the U.S.  
To place an order, call 1 800 888 9909 in the U.S.

For more information on UGS, please visit [www.ugs.com](http://www.ugs.com)

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For more information on HP products, please visit [www.hp.com/eur/workstations](http://www.hp.com/eur/workstations) or call 1 800 752 0900 in the U.S.

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

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