

Landmark

HP xw8400 Workstation and Landmark Nexus® and Decision Management System™ (DMS™) Software, Optimized for the DecisionSpace® Environment



Overview

Accelerate and improve reservoir management decisions, optimize the value of your total assets with this high performance deskside reservoir management solution available from Landmark

HP's latest Dual-Core® Intel® Xeon® processor-based workstation, the HP xw8400, meets your most demanding computational and visualization needs. With powerful Intel processors, high-end NVIDIA® PCI Express™ graphics, operating system flexibility, and up to 32 GB of memory, the HP xw8400 is a great choice for taking advantage of the ever-increasing power of your Landmark software, including industry leading Nexus® and DMS™ reservoir management software.

Benefits

Performance That Delivers the Full Promise of the Landmark DecisionSpace® Environment

Landmark software and the HP xw8400 can turn giant data sets into eye-popping graphics in the blink of an eye. Faster rendering creates a more responsive machine that delivers breakthroughs in both prospect generation and performance. Landmark Nexus and DMS software on the HP xw8400 creates a powerful deskside reservoir modeling solution capable of analyzing both surface and subsurface models simultaneously.

Landmark Value-Added Services and Solutions

When you buy an HP workstation from Landmark, you can be certain we've tested our software on it. Landmark offers a wide variety of services, including assessment, installation, configuration and network optimization. We also offer great deals on other HP solutions, including, the HP Compaq nw9440 mobile workstation, and other high-performance computing Intel-based blade servers and Linux® clusters.

Features

The Most Powerful Intel® Xeon® Processor-Based HP Workstation Yet

The HP xw8400 features the latest 64-bit Intel dual-core Intel Xeon architecture for great workstation performance and expandability. Intel's next-generation chipset provides substantial improvements in bandwidth over previous Intel chipset technologies. In addition to deskside visualization, this workstation also has the computational performance and reliability needed for Landmark's most demanding seismic and reservoir modeling applications.

Tackles Large, Complex Data Sets

Expand memory up to 32 GB.

High-End 3D Graphics

PCI Express x16 graphics and the latest NVIDIA Quadro® series graphic cards.

Operating System Flexibility

Your choice of 32- or 64-bit Red Hat® Linux® or Microsoft® Windows® XP® Professional operating systems.

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**Drilling, Evaluation
and Digital Solutions**

Features	Description
Processor	One or two dual-core Intel® Xeon® processor(s), 4 MB shared L2 cache per processor
I/O Chipset	Intel 5000X
Memory	32 GB maximum; up to eight registered fully buffered DIMMs (four per CPU); 1 GB, 2 GB and 4 GB capacities.
Mass Storage	Up to 5 SATA drives, 2.5 TB max; or up to 5 serial attached SCSI (SAS) drives, 730 GB max.
Graphics Cards	Professional 2-D: NVIDIA Quadro NVS 285 Entry 3-D: NVIDIA Quadro FX 560, ATI FireGL V330 Mid-range 3-D: NVIDIA Quadro FX 1500, ATI FireGL V7200 High-end 3-D: NVIDIA Quadro FX 3500, NVIDIA Quadro FX 4500 with optional Quadro G-Sync card
Standard Interfaces	Network: Integrated Gigabit PCIe LAN on motherboard, optional Gigabit PCIe NIC USB: 8 USB ports FireWire™: Two IEEE 1394 ports Expansion bus: One PCIe x16 graphics slot, 1 PCIe x16 slot, 1 PCIe x8 slot, 3 PCI-X slots and 1 legacy PCI slot Optical drives: 48x CD-ROM, 16x DVD-ROM, 48x CD-RW/DVD combo, 16x DVD+/-RW DL with LightScribe Direct Disc Labeling (requires Microsoft Windows XP Professional)
Operating System	Microsoft® Windows® XP Professional (32 bit and 64 bit) Red Hat® Enterprise Linux® 4.0 WS (64 bit)

Recommended Solution for Deskside Reservoir Modeling

Landmark Nexus and Decision Management System (DMS) software

HP xw8400 workstation

- Two dual-core Intel Xeon Processors
- 16 GB Memory
- NVIDIA Quadro FX4500 graphics card
- Two 80 GB SATA hard drives
- 48x CD-RW/DVD combo
- Red Hat Linux Enterprise WS 3 Update 7* or Microsoft Windows XP Professional

Dual LP2465 24-inch flat-panel monitors

* Landmark's recommended version of Red Hat Linux for Landmark Nexus and DMS software is not available as a pre-installed option from HP on the xw8400. Landmark offers configuration services that include downloading custom images or Landmark applications and recommended operating systems.

Landmark Optimized Computing Solutions and Services: Your Best Source for Your Upstream IT Needs

No one knows how to optimize IT for petrotechnical professionals better than Landmark, the world leader in E&P software. We offer:

- Competitive pricing
- Global support
- Industry's widest range of software, hardware and services
- Single-source accountability for all your E&P IT needs

We test all the hardware we sell. Other value-added services we offer include:

- Assessment
- Configuration
- Installation
- Infrastructure Optimization
- Integration
- Operation

For more information or quotes on the HP xw8400, other HP products and/or other optimized computing solutions and infrastructure services available from Landmark, contact your local sales representative or visit www.lgc.com/optolutions and request a follow-up call from one of our Optimized Computing Solutions and Services team members.

www.lgc.com
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