

CERTIFICATE

Certificate Id: 2PAA102044_HP_xw4400_Workstation

Category:	Hardware, Workstation
Product Name:	HP xw4400 Workstation
Software Version:	N/A
Hardware Version:	See below
Vendor:	Hewlett Packard
Certification Test Report:	3BSE047695
Certification reference:	System 800xA Version 4.1 and Version 5.0
Restrictions:	RTA-board for Advant Mod/Master and PNSM need Rollups for Dual-CPU and Dual- Core for System 800xA Version 4.1.

The certificate states that the product specified above has passed the test towards the specified integration category. The certification has been performed by an official certification center, approved by the official steering body for the Industrial IT Certification.

The basis for the certificate is documented according to the Industrial IT Certification - Document Number 3BSE037356. The certificate is valid for the above mentioned Product versions until the next major release of the certified product or the certification reference system. With a major release of the certified product or the reference system, a new certification is required to keep the certificate current.

ABB Automation Technologies AB
721 59 Vasteras, Sweden

Date: 2007-01-18

Representative for the official steering body for the Industrial IT Certification


Rolf Setthammar

xw4400 Workstation

Industrial^{IT} Certification



HP xw4400 Workstation is equipped with the Intel® Pentium D processor or Intel® Core Duo Processor.

- Intel® 975X Express chipset.
- Dual-channel DDR2 667 MHz memory
- 1 PCIe x16 graphics slot, 1 PCIe x1 slot, 1 PCIe x4 (x16 connector) slot, and 3 legacy PCI slots
- Serial ATA controller with RAID 0/1/5/10
- Pre-loaded Rescue and Recovery™ for easy data back-up and recovery

Certification results and product details are summarized below:

Product Overview

Processor	Memory	Chipset	Hard disk	Expansion Bays	Graphics
Intel® Pentium D or Intel® Core 2 Duo or Intel® Core 2 Extreme 1.86 Ghz-3.40 Ghz	256 MB, 512 MB, 1 GB, 2 GB Max 8 GB	Intel® 975X Express	80, 160, 250, 500, 750 GB (7200 rpm SATA) 80, 160 GB (10K rpm SATA) 146, 300 GB (10K rpm SAS) 73 GB, 146 GB (15 K rpm SAS)	3 PCI 3 PCI Express 2 internal 3.5" 1 external 3.5" 3 external 5.25"	NVIDIA® Quadro NVS 285, 440, FX560, FX1500, FX3500, FX4500, G-Sync or ATI FireGL V3300, V7200
Network	Storage CD-ROM	Operating System		USB 2.0	
Integrated PCIe Broadcom 5751 Netxtreme Gigabit Ethernet NIC	48X CD-ROM, 16X DVD-ROM +R, 48X CD-RW/DVD-R Combo, 16X DVD+/-RW, DL LightScribe	Microsoft XP		7	

Product Details in tested sample

Product	xw4400
Processor	6600 Core 2 2.4 GHz
Memory	1 GB RAM (2X512)
Hard disc	160GB 7200rpm
Graphics	NVIDIA® Quadro NVS440
Network	Broadcom NetXtreme Gigabit Ethernet 10/100/1000
Storage CD-ROM	16X DVD+/-RW, DL LightScribe
Operation System	Microsoft XP Pro SP2 (English)
Storage 3.5" disk	Yes

Engineering

Configuration and installation	Windows XP Professional SP2 CD Kit 394378-002 HP Restore Plus! CD HP xw4400 Workstations CD 430336-B22 Supplemental Software HP Backup & Recovery Manager CD Kit 408639-B21 Supplemental Software HP xw4400 Workstations CD Kit 431860B22
---------------------------------------	--

Industrial^{IT}
enabled

xw4400 Workstation

Industrial^{IT} Certification



The HP xw4400 delivers third generation dualcore processors, providing performance over previous generation single and dualcore. Additionally the HP xw 4400 offers support for multidisplay. A second NVIDIA NVS 285 PCIe graphics card enables quad display.

The Hewlett Packard Workstation xw4400 closely supports the 800xA Extended Automation System Value Propositions as noted below:

800xA Value Proposition Mapping

- | | |
|---|--|
| ✓ | Reducing Time to Decision and Action <ul style="list-style-type: none">- Detailed performance information can be retrieved.- Wide word standard product |
| ✓ | Engineering for Maximum Performance <ul style="list-style-type: none">- High level configuration- Number of options available for different configuration needs- Several CPU models depending on performance and cost |
| ✓ | Reducing Risk through High Integrity Automation <ul style="list-style-type: none">- Reduced risk through reduced number of components- Mechanical form factor improves lifetime- Built with standard components |
| ✓ | Optimizing Plant Asset Availability and Performance <ul style="list-style-type: none">- Possible to change components without any mechanical tools- Grow with the project. |
| ✓ | Integrating Information for Improved Visibility <ul style="list-style-type: none">- Diagnostic information available as aspects in 800xA enabling operator efficiency |
| ✓ | Investment Enhancement through Evolution <ul style="list-style-type: none">- Continues developments of components to fit in existing DELL Precision product family. |