

CERTIFICATE

Certificate Id: 2PAA114291_HP_Z440

Category:	Servers and Workstation
Product Name:	Hewlett Packard Z440
Software Version:	N/A
Chipset Version:	Intel C612
Vendor:	Hewlett Packard
Certification Test Report:	3BSE082416
Certification reference:	System 800xA Version 6.0
Restrictions:	

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 AB
721 59 Vasteras, Sweden

Date: 2015-02-25

Representative for the official steering body for the Industrial IT Certification



Hans Johannisson

HP Z440

Industrial^{IT} Certification



HP Z440 Workstation

Cross items off your to-do list fast. Achieve massive computational performance with a single processor personal workstation delivering support for up to 8 cores of processing power with Intel® Xeon® processors. Add in powerful graphics from NVIDIA and you get a world-class workstation experience that never slows you down.

Certification and product details are summarized below:

Product Overview

Processor	Intel Xeon E5-1603 v3 4 Cores (2.8 GHz), Intel Xeon E5-1607 v3 4 Cores (3.1 GHz), Intel Xeon E5-1620 v3 4 Cores (3.5 GHz), Intel Xeon E5-1630 v3 4 Cores (3.7 GHz), Intel Xeon E5-1650 v3 6 Cores (3.5 GHz), Intel Xeon E5-2630 v3 8 Cores (2.4 GHz), Intel Xeon E5-1660 v3 8 Cores (3.0 GHz), Intel Xeon E5-1680 v3 8 Cores (3.2 GHz)
Memory	Up to 128 GB DDR4-2133 ECC Registered SDRAM
Chipset	Intel C612
Storage	A wide range of SATA, SAS and Solide State Drive disks
Expansion Slots	2 PCIe Gen3 x16, 1 PCIe Gen3 x8 (open-ended), 1 PCIe Gen2 x4 (open-ended), 1 PCIe Gen2 x1 (open-ended), 1 PCI (open-ended)
Graphics	NVIDIA Quadro K420 (1 GB), NVIDIA Quadro K620 (2 GB), NVIDIA Quadro K2200 (4 GB), NVIDIA Quadro K4200 (4 GB), NVIDIA Quadro K5200 (8 GB), NVIDIA Quadro K6000 (12 GB)
Network	Integrated Intel I218LM PCIe GbE, Optional single or dual network adapters
Optical Storage	DVD-ROM, DVD+/-RW DL S M, Blu-ray Writer
Operation System	Windows 7 Professional 64-bit, Windows 8.1 Professional 64-bit
USB	Front 4 USB 3.0, Rear 4 USB 3.0 / 2 USB 2.0, Internal 1 USB 3.0 / 1 USB 2.0

Product Details in tested sample

Product	HP Z440
Processor	Intel Xeon E5-1603v3 2.8 10M 1866 4C CPU
Memory	8GB DDR4-2133 ECC Registered SDRAM
Hard disc	1x 256GB SATA Solid State Drive
Graphics	2x NVIDIA Quadro K620 2GB
Network	Integrated Intel I218LM PCIe GbE
Storage CD-ROM	Slim SuperMulti DVDRW SATA
Operation System	Windows 8.1 Professional 64-bit

Engineering

Configuration and installation	NO media
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HP Z440

Industrial^{IT} Certification



When your job requires more, HP makes it easy. The HP Z440 Workstation, with its sleek 4U form factor, tool-less design, and built in handles makes it simple to expand even in a racked data center environment. Easily configure memory, storage, graphics, and more to suit your needs today and in the future. And you'll never run out of juice with a choice of two power supply options including a 525W option and a 700W option with two power cables for high-power professional graphics.

The HP Z440 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.- Worldwide standard product
✓	Engineering for Maximum Performance <ul style="list-style-type: none">- High level configuration- Number of options available for different configuration needs
✓	Reducing Risk through High Integrity Automation <ul style="list-style-type: none">- Reduced risk through reduced number of components- Mechanical form factor improves lifetime
✓	Optimizing Plant Asset Availability and Performance <ul style="list-style-type: none">- Possible to change components without any mechanical tools
✓	Investment Enhancement through Evolution <ul style="list-style-type: none">- Continuous developments of components to fit in existing Hewlett Packard product family.