

# HP Z240 Workstations

Windows 7 32-bit recommendation guide



Important information on support for installing Windows 7 Professional 32-bit<sup>1</sup> or Windows 7 Enterprise 32-bit<sup>1</sup> on HP Z240 Workstations.

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## Introduction

HP is providing this guide to clarify the support available for Windows 7 32-bit editions on the HP Z240 Workstations. HP does not deliver Microsoft Windows 7 32-bit on the HP Z240 Workstations from the factory, but does recognize there are customers that have a need to continue using a Windows 7 32-bit operating system. HP support is for Windows 7 Professional or Enterprise 32-bit editions. All references to Windows 7 32-bit implies Professional or Enterprise editions only.

This document does not provide a license to create or distribute an operating system. This document is intended to be a support reference only and includes information about support for Microsoft Windows 7 Professional or Enterprise 32-bit.

HP strongly recommends customers pursue migrating from 32-bit operating systems to 64-bit operating systems as support for 32-bit operating systems will continue to diminish.

## HP's support for Microsoft Windows 7 32-bit on HP Z240 Workstations

HP has tested and will only support the hardware items and configurations listed in Table 1 on Windows 7 32-bit Professional or Enterprise editions. Hardware and configurations not expressly listed in Table 1 are not supported. The customer assumes all risk for running hardware configurations with Windows 7 32-bit that are not supported by HP. HP provides Windows 7 32-bit driver SoftPaks for download by the customer on hp.com for the hardware supported in Table 1. HP does not provide a driver pack for Windows 7 32-bit for the HP Z240 Workstations.

**Table 1.** Supported Windows 7 32-bit edition configurations for HP Z240 Workstations

<b>Microsoft Windows 7 Professional 32-bit: Hardware Support Matrix for HP Z240 Workstations</b>	
	<b>Windows 7 Professional 32-bit SP1</b>
<b>HP Workstation base system</b>	
Base system includes: chassis and power supply: all bays and power features available	•
System board - IO: PCIeG3, PCIeG2, PCI, USB2.0, USB3.0, Audio, Gbit LAN	•
System board storage controllers: Intel® AHCI SATA	•
System Board Trusted Platform Module (TPM)	• Requires 1.02 BIOS or later
Intel® vPro™ / AMT 11.0 Manageability	•
HP BIOS	1.02 or later
<b>Country kit</b>	
HP Country Kit (Localized Keyboard, PowerCord, Docs)	•
<b>Software</b>	
HP Remote Graphics Software	•
HP Performance Advisor	•
<b>All supported processors</b>	
All supported processors	•
Hyperthreading & Turbo Mode (If supported by the CPU)	•
<b>Graphics card</b>	
AMD FirePro™ W2100 2 GB	•
AMD FirePro™ W4300 4 GB	•
AMD FirePro™ W5100 4 GB	•
NVIDIA® NVSTM 310 1 GB	•
NVIDIA® NVSTM 315 1 GB	•
NVIDIA® NVSTM 510 2 GB	•
NVIDIA® NVIDIA® K1200 4 GB	•
NVIDIA® Quadro® K2200 4 GB	•
NVIDIA® Quadro® K420 2 GB	•
NVIDIA® Quadro® K620 2 GB	•
NVIDIA® Quadro® M4000 8 GB	•

**Microsoft Windows 7 Professional 32-bit: Hardware Support Matrix for HP Z240 Workstations**

Windows 7 Professional 32-bit SP1

**Internal OS load storage options**

Operating system load to SATA	•
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**Internal storage**

1 TB 7200 RPM SATA HDD	•
256 GB SATA	•
500 GB 7200 RPM SATA HDD	•
512 GB SATA	•

**System RAM**

Minimum (GB)	4
Maximum (GB)	64

**RAID mode**

SATA RAID on Intel AHCI SATA Controller	RAID 0, 1
RAID 0 striped array configuration	•
RAID 1 mirrored array configuration	•

**Optical device**

9.5 mm Slim Blu-ray Writer 1st ODD	•
9.5 mm Slim DVD-ROM 1st ODD	•
9.5 mm Slim SuperMulti DVDRW 1st ODD	•

**LAN 1**

Intel Ethernet I210-T1 PCIe NIC	•
Intel Ethernet I350-T2 2-Port 1Gb NIC	•
HP X520 10GbE Dual Port Adapter	•
Intel X540-T2 10GbE Dual Port Adapter	•

**Processor**

Intel® Core™ i3-6100 3.7 3M 2C CPU	•
Intel® Core™ i3-6300 3.8 4M 2C CPU	•
Intel® Core™ i5-6500 3.2 6M 4C CPU	•
Intel® Core™ i5-6600 3.3 6M 4C CPU	•
Intel® Core™ i7-6700 3.4 8M 4C CPU	•
Intel® Pentium® G4400 3.3 3M 2C CPU	•
Intel® Xeon® E3-1225v5 3.3 8M GT2 4C CPU	•
Intel® Xeon® E3-1230v5 3.4 8M GT0 4C CPU	•
Intel® Xeon® E3-1240v5 3.5 8M GT0 4C CPU	•
Intel® Xeon® E3-1245v5 3.5 8M GT2 4C CPU	•
Intel® Xeon® E3-1270v5 3.6 8M GT0 4C CPU	•
Intel® Xeon® E3-1280v5 3.7 8M GT0 4C CPU	•

**System memory**

4 GB DDR4-2133 Non-ECC Unbuffered DIMM
4 GB DDR4-2133 ECC Unbuffered DIMM
8 GB DDR4-2133 Non-ECC Unbuffered DIMM
8 GB DDR4-2133 ECC Unbuffered DIMM
16 GB DDR4-2133 Non-ECC Unbuffered DIMM
16 GB DDR4-2133 ECC Unbuffered DIMM

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**Microsoft Windows 7 Professional 32-bit: Hardware Support Matrix for HP Z240 Workstations**

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Windows 7 Professional 32-bit SP1

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**Input/output devices**

HP PS/2 Mouse	•
HP USB 1000dpi Laser Mouse	•
HP USB Optical 3-Button Mouse	•
HP USB Optical Mouse	•
HP PS/2 Business Slim Keyboard	•
HP USB Business Slim Keyboard	•
HP USB Business Slim Keyboard	•
HP SD Card Reader	•
HP Serial Port Adapter Kit	•
HP Single Port eSATA Adapter	•
All supported monitors	•

**Chassis accessories**

HP Solenoid Hood Lock & Hood Sensor	•
Rack mount kits	•
Dust Filter options	

**Legend**

Tested & supported option	•
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Any additional items not listed are not tested or supported.

## Important information about Windows 7 32-bit distribution

HP does not ship a Windows 7 32-bit image on the HP Z240 Workstations from the factory. HP does not provide restore media for Windows 7 32-bit on the HP Z240 Workstations.

It is the customer's responsibility to determine their licensing requirements for installing Microsoft Windows 7 32-bit operating systems. It is the customer's responsibility to provide or obtain their own media for installing Windows 7 32-bit on their HP Z240 Workstation.

## Installation notes

### System BIOS

Microsoft Windows 7 32-bit does not support UEFI mode or Secure Boot. All installations must be completed in Legacy mode. Legacy mode and optional ROM settings can be configured in the F10 BIOS menu.

### BitLocker Support

The minimum BIOS required to support BitLocker is BIOS 1.02.

### NVMe storage as OS disk

NVMe storage drivers are not part of Windows 7 SP1 inbox drivers. HP recommends using the Microsoft NVMe Driver, which is supplied in two separate QFEs. The customer will need to install KB2990941 first. After installation of KB2990941, KB3087873 must be installed in the OS image to see NVMe storage devices during setup.

<sup>1</sup> Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers, software or BIOS update to take full advantage of Windows functionality.

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