

# Windows® 7 64-bit Hardware Matrix for HP Z8 G4, Z6 G4, and Z4 G4 Workstations

## General Notes

### How to Use this Document

This document lists the hardware devices that have been tested on HP Z8 G4, Z6 G4, and Z4 G4 Workstations.

The platform-specific pages in this matrix are formatted as follows:

- \* The platform is identified at the top of the page.
- \* Built-in (onboard) and optional components are listed in the left-hand column. This is the set of components that have been tested by HP. Built-in and optional components that are not listed have not been tested by HP. They may or may not work with Windows 7. The list of components may be updated periodically as additional testing is completed.
- \* A solid circle in a cell represents usable functionality with Windows 7.
- \* A number in parentheses represents a reference to a footnote. Footnotes are located at the bottom of the page.

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# Windows 7 64-bit Hardware Matrix for HP Workstations

## HP Z8 G4 Workstation

| Product Items/Features<br>(Unlisted components have not been tested by HP)                          | Windows 7 64-bit |
|---|------------------|
| <b>HP Workstation Base System</b>   |                  |
| Base system includes: Chassis, System Board, Power Supply, etc.                                     | •                |
| HP Localization Kit   | (1)              |
| <b>Supported Processors</b>   | •                |
| <b>Front I/O Module</b>   |                  |
| Base Front I/O module   | • (2)            |
| Premium Front I/O module  | • (2)            |
| <b>Graphics Card (Video Card)</b>   | • (3)            |
| AMD FirePro W2100 1st and 2 <sup>nd</sup> GFX   | •                |
| AMD Radeon Pro WX 3100 1 <sup>st</sup> and 2 <sup>nd</sup> GFX                                      | •                |
| AMD Radeon Pro WX 4100 1 <sup>st</sup> and 2 <sup>nd</sup> GFX                                      | •                |
| AMD Radeon Pro WX 7100 1 <sup>st</sup> and 2 <sup>nd</sup> GFX                                      | •                |
| NVIDIA® Quadro P1000 1 <sup>st</sup> and 2 <sup>nd</sup> GFX  | •                |
| NVIDIA Quadro P2000 1 <sup>st</sup> and 2 <sup>nd</sup> GFX   | •                |
| NVIDIA Quadro P400 1 <sup>st</sup> and 2 <sup>nd</sup> GFX  | •                |
| NVIDIA Quadro P4000 1 <sup>st</sup> and 2 <sup>nd</sup> GFX   | •                |
| NVIDIA Quadro P5000 1 <sup>st</sup> and 2 <sup>nd</sup> GFX   | •                |
| NVIDIA Quadro P600 1 <sup>st</sup> and 2 <sup>nd</sup> GFX  | •                |
| NVIDIA Quadro P6000 1 <sup>st</sup> and 2 <sup>nd</sup> GFX   | •                |
| <b>System RAM</b>   |                  |
| Minimum (GB)  | 8GB              |
| Maximum (GB)  | 192GB            |
| <b>Hard Disks</b>   |                  |
| All supported SATA Disk Drives (4TB or less only)   | •                |
| All supported SATA Solid State Drives   | •                |
| SAS Disk Drives   | (4)              |
| All supported USB Drive Keys  | • (2)            |
| All supported HP Z Turbo Drive and Z Turbo QuadPro PCIe-attached storage (1 TB/module or less only) | • (5)            |
| <b>Network Cards</b>  |                  |
| Intel® Ethernet I210-T1 PCIe NIC  | •                |
| Intel I350-T2 Dual-Port and I350-T4 Quad-Port 1GbE PCIe NIC   | •                |
| HP Dual Port 10GBase-T NIC Module   | •                |
| Intel X550-T2 Dual-Port 10GbE NIC Module  | •                |
| <b>Onboard Components</b>   |                  |
| Integrated Intel SATA and sSATA Controllers   | •                |
| Wired LAN – Intel i219-LM Gigabit Ethernet, X722 1Gb Module   | •                |
| Onboard Audio (Realtek ALC221 codec)  | •                |
| Onboard SATA RAID 0, 1, 5 and 10  | •                |
| <b>Removable CD/DVD Media</b>   |                  |
| 9.5mm DVD-ROM SATA 1st ODD  | •                |
| DVD-Writer 9.5mm 1st ODD  | •                |
| 9.5mm Blu-ray Writer SATA 1st ODD   | •                |
| <b>Input/Output Devices (no Spaceball support)</b>  |                  |
| HP USB Optical Mouse  | • (2)            |
| HP USB Business Slim Keyboard   | • (2)            |
| TPM Module/Smart Card   | • (6)            |
| All supported HP Printers   | •                |
| All Supported Monitors  | •                |

Footnote (1) – Only US English localization. Other localizations may be added later as testing is completed.

Footnote (2) – USB support in Z8/Z6/Z4 G4 is not native to Windows 7. A USB driver must be installed.

Footnote (3) – Up to 2 graphics cards of the same type are supported.

Footnote (4) – SAS disk drives and controllers have not been tested with Windows 7.

Footnote (5) – NVMe storage is not native to Windows 7. An NVMe driver must be installed. The Samsung NVMe driver is supported.

Footnote (6) – TPM 2.0 is not native to Windows 7. Microsoft provides support for TPM 2.0 through a Hotfix.

# Windows 7 64-bit Hardware Matrix for HP Workstations

## HP Z6 G4 Workstation

| Product Items/Features<br>(Blank box or unlisted → component has not been tested by HP)             | Windows 7 64-bit |
|---|------------------|
| <b>HP Workstation Base System</b>   |                  |
| Base system includes: Chassis, System Board, Power Supply, etc.                                     | •                |
| HP Localization Kit   | (1)              |
| <b>Supported Processors</b>   | •                |
| <b>Front I/O Module</b>   |                  |
| Base Front I/O module   | • (2)            |
| Premium Front I/O module  | • (2)            |
| <b>Graphics Card (Video Card)</b>   | • (3)            |
| AMD FirePro W2100 1st and 2nd GFX   | •                |
| AMD Radeon Pro WX 3100 1st and 2nd GFX  | •                |
| AMD Radeon Pro WX 4100 1st and 2nd GFX  | •                |
| AMD Radeon Pro WX 7100 1st and 2nd GFX  | •                |
| Intel X550-T2 Dual-Port 10GbE NIC   | •                |
| NVIDIA Quadro P1000 1st and 2nd GFX   | •                |
| NVIDIA Quadro P2000 1st and 2nd GFX   | •                |
| NVIDIA Quadro P400 1st and 2nd GFX  | •                |
| NVIDIA Quadro P4000 1st and 2nd GFX   | •                |
| NVIDIA Quadro P5000 1st and 2nd GFX   | •                |
| NVIDIA Quadro P600 1st and 2nd GFX  | •                |
| NVIDIA Quadro P6000 1st and 2nd GFX   | •                |
| <b>System RAM</b>   |                  |
| Minimum (GB)  | 8GB              |
| Maximum (GB)  | 192GB            |
| <b>Hard Disks</b>   |                  |
| All supported SATA Disk Drives (4TB or less only)   | •                |
| All supported SATA Solid State Drives   | •                |
| SAS Disk Drives   | (4)              |
| All supported USB Drive Keys  | • (2)            |
| All supported HP Z Turbo Drive and Z Turbo QuadPro PCIe-attached storage (1 TB/module or less only) | • (5)            |
| <b>Network Cards</b>  |                  |
| Intel Ethernet I210-T1 PCIe NIC   | •                |
| Intel I350-T2 Dual-Port and I350-T4 Quad-Port 1GbE PCIe NIC   | •                |
| HP Dual Port 10GBase-T NIC Module   | •                |
| Intel X550-T2 Dual-Port 10GbE NIC   | •                |
| <b>Onboard Components</b>   |                  |
| Integrated Intel sSATA Controller   | •                |
| Wired LAN - Intel i219-LM Gigabit Ethernet, X722 1Gb Module   | •                |
| Onboard Audio (Realtek ALC221 codec)  | •                |
| Onboard sSATA RAID 0, 1, 5 and 10   | •                |
| <b>Removable CD/DVD Media</b>   |                  |
| 9.5mm DVD-ROM SATA 1st ODD  | •                |
| DVD-Writer 9.5mm 1st ODD  | •                |
| 9.5mm Blu-ray Writer SATA 1st ODD   | •                |
| <b>Input/Output Devices (no Spaceball support)</b>  |                  |
| HP USB Optical Mouse  | • (2)            |
| HP USB Business Slim Keyboard   | • (2)            |
| TPM Module/ Smart Card  | • (6)            |
| All supported HP Printers   | •                |
| All Supported Monitors  | •                |

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## Windows 7 64-bit Hardware Matrix for HP Workstations

### HP Z4 G4 Workstation

| Product Items/Features<br>(Blank box or unlisted → component has not been tested by HP)             | Windows 7 64-bit |
|---|------------------|
| <b>HP Workstation Base System</b>   |                  |
| Base system includes: Chassis, System Board, Power Supply, etc.                                     | •                |
| HP Localization Kit   | (1)              |
| <b>Supported Processors</b>   |                  |
|   |                  |
| <b>Front I/O Module</b>   |                  |
| Base Front I/O module   | • (2)            |
| Premium Front I/O module  | • (2)            |
| <b>Graphics Card (Video Card)</b>   |                  |
|   |                  |
| AMD FirePro W2100 1st and 2nd GFX   | •                |
| AMD Radeon Pro WX 3100 1st and 2nd GFX  | •                |
| AMD Radeon Pro WX 4100 1st and 2nd GFX  | •                |
| AMD Radeon Pro WX 7100 1st and 2nd GFX  | •                |
| NVIDIA Quadro P1000 1st and 2nd GFX   | •                |
| NVIDIA Quadro P2000 1st and 2nd GFX   | •                |
| NVIDIA Quadro P400 1st and 2nd GFX  | •                |
| NVIDIA Quadro P4000 1st and 2nd GFX   | •                |
| NVIDIA Quadro P5000 1st GFX only  | •                |
| NVIDIA Quadro P600 1st and 2nd GFX  | •                |
| NVIDIA Quadro P6000 1st GFX only  | •                |
| <b>System RAM</b>   |                  |
| Minimum (GB)  | 8GB              |
| Maximum (GB)  | 192GB            |
| <b>Hard Disks</b>   |                  |
| All supported SATA Disk Drives (4TB or less only)   | •                |
| All supported SATA Solid State Drives   | •                |
| SAS Disk Drives   | (4)              |
| All supported USB Drive Keys  | • (2)            |
| All supported HP Z Turbo Drive and Z Turbo QuadPro PCIe-attached storage (1 TB/module or less only) | • (5)            |
| <b>Network Cards</b>  |                  |
| Intel Ethernet I210-T1 PCIe NIC   | •                |
| Intel I350-T2 Dual-Port and I350-T4 Quad-Port 1GbE PCIe NIC   | •                |
| Intel X550-T2 Dual-Port 10GbE NIC   | •                |
| <b>Onboard Components</b>   |                  |
| Integrated Intel SATA Controller  | •                |
| Wired LAN - Intel i219-LM and i210AT Gigabit Ethernet   | •                |
| Onboard Audio (Realtek ALC221 codec)  | •                |
| Onboard SATA RAID 0, 1, 5 and 10  | •                |
| <b>Removable CD/DVD Media</b>   |                  |
| 9.5mm DVD-ROM SATA 1st ODD  | •                |
| DVD-Writer 9.5mm 1st ODD  | •                |
| 9.5mm Blu-ray Writer SATA 1st ODD   | •                |
| <b>Input/Output Devices (no Spaceball support)</b>  |                  |
| HP USB Optical Mouse  | • (2)            |
| HP USB Business Slim Keyboard   | • (2)            |
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| All supported HP Printers   | •                |
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