

Microsoft® Windows® XP - Hardware Support Matrix for HP Z Series Workstations

HP Z220 CMT & Z220 SFF Workstation

Product Items/Features See Legend at bottom of page	Windows® XP Pro (32 bit) SP3	Windows® XP Pro x64 (64bit) SP 2
HP Workstation Base System		
Base system includes: Chassis and Power Supply: All Bays and Power Features Available	•	•
System Board - IO: PCIeG3, PCIeG2, PCI, USB2.0, Audio, Gbit LAN	•	•
System Board Storage Controllers: Intel AHCI SATA	•	•
System Board USB3.0 (Intel) (See Note 1)		
System Board Trusted Platform Module (TPM)	•	•
Intel® vPro™ / AMT 7.0 Manageability (See Note 2)		
HP BIOS	1.02 or Greater	1.02 or Greater
Country Kit (See Note 3)		
HP Country Kit (Localized Keyboard, PowerCord, Docs)	•	•
Software		
HP Remote Graphics Software	•	•
HP Performance Advisor	•	•
HP Protect Tools		
All Supported Processors		
All Supported Processors	•	•
Hyperthreading & Turbo Mode (If supported by the CPU)	•	•
Graphics Card (Video Card)		
NVIDIA Quadro NVS 300, NVS 310, NVS 315 2D Graphic	•	•
NVIDIA Quadro 410	•	•
NVIDIA Quadro 600	•	•
NVIDIA Quadro 2000	•	•
NVIDIA Quadro 4000	•	•
NVIDIA Quadro K600	•	•
NVIDIA Quadro K2000	•	•
NVIDIA Quadro K4000	•	•
AMD FirePro V3900 PCIe	•	•
AMD FirePro V4900 PCIe	•	•
AMD FirePro V5900 PCIe	•	•
AMD FirePro V7900 PCIe	•	•
System RAM		
Minimum (GB)	2	4
Maximum (GB)	4	32
Mass Storage Drives (See Note 4)		
All Supported SATA Hard Disk Drives	•	•
All Supported SSD Drives	•	•
Mass Storage Disk Caching		
24GB SSD Disk Cache Module		
PCIe Controllers		
HP IEEE 1394b FireWire PCIe Card		
HP USB 3.0 SuperSpeed PCIe x1 Card	•	•
RAID Mode (See Note 4)		
SATA RAID on Intel AHCI SATA Controller	RAID 0, 1, 5 ^(CMT only)	RAID 0,1,5 ^(CMT only)
Removable CD/DVD Media (See Note 5)		
HP 16x DVD-ROM Drive	•	•
HP 16x Super Multi DVD+RW	•	•
Blu-ray Writer SATA ODD	•	•
Network Cards (no modem support)		
Intel CT x1 PCIe NIC	•	•
Audio Options		
Creative Sound Blaster ReCon3D PCIe Audio Card		
USB Thin Speakers	•	•
Input/Output Devices		
HP 3-Button Mouse, PS/2	•	•
HP Scroll Mouse, PS/2	•	•
HP Optical Scroll Mouse, USB	•	•
HP Standard Keyboard, USB & PS2	•	•
HP USB Spaceball or Space Pilot	•	•
Smart Card Reader / Smart Card Keyboard (requires TPM support)	•	•
HP 22-In-1 Media Card Reader	•	•
HP Serial Port Adapter Kit	•	•
HP Parallel Port Adapter Kit	•	•
HP eSATA 2 port PCI Bulkhead Kit	•	•
All Supported Monitors	•	•
Chassis Accessories		
HP Solenoid Hood Lock & Hood Sensor	•	•
Rack Mount Kits	•	•
HP Handle in top Optical Bay	•	•
HP Chassis in Desktop Configuration	•	•
HP Internal USB Port Kit	•	•

Notes:

- Integrated USB3.0 ports will operate as USB2.0 ports when using Windows® XP. A separate USB3.0 PCIe card is available for use with Windows® XP.
- Intel® vPro™/AMT manageability is not available on all CPUs. When running Windows® XP, Intel® vPro™/AMT manageability features are limited to those available independent of the Operating System ("out-of-band" features).
- Customer responsible for Windows® XP localized image to match HP Keyboard localization ordered.
- Windows® XP Pro (32 bit) can not access drive volumes > 2.2TB; Windows® XP Pro x64 requires GPT file system to access partitions > 2.2TB.
- Optical drives are not shipped with Windows® XP optical drive application software.

LEGEND:

Supported / Tested Option	•
Not Supported or Tested Option	□

Any item not listed is not tested nor formally supported.

Microsoft® Windows® XP - Hardware Support Matrix for HP Z Series Workstations

HP Z420 & Z620 Workstation

Product Items/Features See Legend at bottom of page	Windows® XP Pro (32 bit) SP3	Windows® XP Pro x64 (64bit) SP 2
HP Workstation Base System		
Base system includes: Chassis and Power Supply: All Bays and Power Features Available	•	•
System Board - IO: PCIeG3, PCIeG2, PCI, USB2.0, USB3.0, 1394a, Audio, Gbit LAN	•	•
System Board Storage Controllers: Intel® AHCI SATA	•	•
System Board Storage Controllers: Intel® SCU SATA		
System Board Trusted Platform Module (TPM)		
Intel® vPro™ / AMT 7.0 Manageability (See Note 2)		
HP BIOS	1.07 or Greater	1.07 or Greater
Country Kit (See Note 3)		
HP Country Kit (Localized Keyboard, PowerCord, Docs)	•	•
Software		
HP Remote Graphics Software	•	•
HP Performance Advisor	•	•
HP Protect Tools		
All Supported Processors		
All Supported Processors (1 & 2 CPU configs)	•	•
Hyperthreading & Turbo Mode (If supported by the CPU) (See Note 4)	•	•
Graphics Card (Video Card)		
NVIDIA Quadro NVS 300, NVS 310, NVS 315 2D Graphic	•	•
NVIDIA Quadro 410		
NVIDIA Quadro 600	•	•
NVIDIA Quadro 2000	•	•
NVIDIA Quadro 4000	•	•
NVIDIA Quadro 5000		
NVIDIA Quadro K600	•	•
NVIDIA Quadro K2000	•	•
NVIDIA Quadro K4000	•	•
NVIDIA Quadro K5000	•	•
AMD FirePro 2270 PCIe	•	•
AMD FirePro V3900 PCIe		
AMD FirePro V4900 PCIe		
AMD FirePro V5900 PCIe		
AMD FirePro V7900 PCIe		
System RAM		
Minimum (GB)	2	4
Maximum (GB)	4	64 _{Z420} / 96 _{Z620}
Mass Storage Drives (See Note 5)		
All Supported SATA Hard Disk Drives	•	•
All Supported SSD Drives	•	•
All Supported SAS Hard Disk Drives	•	•
PCIe Controllers		
HP IEEE 1394b FireWire PCIe Card		
LSI 9212-4i 4-Port SAS 6Gb/s RAID Card (See Note 1)	•	•
LSI 9260-8i SAS 6Gb/s ROC RAID Card		
LSI SAS 9217-8i Host Bus Adapter	•	•
RAID Mode (See Note 5)		
SATA RAID on Intel AHCI SATA Controller	RAID 0, 1	RAID 0,1
SAS RAID on LSI 9212 SAS Controller	RAID 0, 1	RAID 0,1
Removable CD/DVD Media		
HP 16x DVD-ROM Drive	•	•
HP 16x Super Multi DVD+RW (See Note 6)	•	•
Blu-ray Writer SATA ODD		
Network Cards (no modem support)		
Broadcom 5761 Gigabit PCIe NIC		
Intel CT x1 PCIe NIC	•	•
Intel NC360T PCIe Dual Port Gigabit NIC	•	•
Audio Options		
Creative Sound Blaster ReCon3D PCIe Audio Card		
USB Thin Speakers	•	•
Input/Output Devices		
HP 3-Button Mouse, PS/2	•	•
HP Scroll Mouse, PS/2	•	•
HP Optical Scroll Mouse, USB	•	•
HP Standard Keyboard, USB & PS2	•	•
HP USB Spaceball or Space Pilot		
Smart Card Reader / Smart Card Keyboard (requires TPM support)		
HP 22-In-1 Media Card Reader	•	•
HP Serial Port Adapter Kit	•	•
HP eSATA 2 port PCI Bulkhead Kit		
All Supported Monitors	•	•
Chassis Accessories		
HP Solenoid Hood Lock & Hood Sensor	•	•
Rack Mount Kits	•	•
HP Z420 Handle in top Optical Bay	•	•
HP Chassis in Desktop Configuration (Z420 only)	•	•
HP Z4 Fan and Front Card Guide Kit	•	•
HP Internal USB Port Kit	•	•
HP Liquid Cooling Solution	•	•

Notes:

- When SAS Controller is ordered - All SATA & SAS HDDs and SSDs are attached to / controlled by the LSI 9212 SAS Controller.
- When running Windows® XP, Intel® vPro™/AMT manageability features are limited to those available independent of the Operating System ("out-of-band" features).
- Customer responsible for Windows® XP localized image to match HP Keyboard localization ordered.
- Windows® XP Pro (32 bit) supports a maximum of 24 virtual cores, including hyperthreading. Hyperthreading must be turned off for 8-Core Dual-CPU configurations.
- Windows® XP Pro (32 bit) can not access drive volumes > 2.2TB; Windows XP64 requires GPT file system to access partitions > 2.2TB.
- Optical drives are not shipped with Windows® XP optical drive application software.

LEGEND:

Supported / Tested Option	•
Not Supported or Tested Option	

Any additional items not listed are not tested or supported.

Microsoft® Windows® XP - Hardware Support Matrix for HP Z Series Workstations

HP Z820 Workstation

Product Items/Features See Legend at bottom of page	Windows® XP Pro (32 bit) SP3	Windows® XP Pro x64 (64bit) SP 2
HP Workstation Base System		
Chassis & Power Supply (850W & 1125W): All Bays and Power Features Available	•	•
System Board - IO: PCIeG3, PCIeG2, PCI, USB2.0, USB3.0, 1394a, Audio, Gbit LAN, Serial	•	•
System Board Storage Controller: Intel AHCI SATA	Optical Drive Only	Optical Drive Only
System Board Storage Controller: Intel SCU SATA		
System Board Storage Controller: LSI 2308 SAS (See Note 1)	•	•
System Board Trusted Platform Module (TPM)		
Intel® vPro™ / AMT 7.0 Manageability (See Note 2)		
HP BIOS	1.07 or Greater	1.07 or Greater
Country Kit (See Note 3)		
HP Country Kit (Localized Keyboard, PowerCord, Docs)	•	•
Software		
HP Remote Graphics Software	•	•
HP Performance Advisor	•	•
HP Protect Tools		
All Supported Processors		
All Supported Processors (1 & 2 CPU configs)	•	•
Hyperthreading & Turbo Mode (If supported by the CPU) (See Note 4)	•	•
Graphics Card (Video Card)		
NVIDIA Quadro NVS 300, NVS 310, NVS 315 2D Graphic	•	•
NVIDIA Quadro 410		
NVIDIA Quadro 600	•	•
NVIDIA Quadro 2000	•	•
NVIDIA Quadro 4000	•	•
NVIDIA Quadro 5000		
NVIDIA Quadro K600	•	•
NVIDIA Quadro K2000	•	•
NVIDIA Quadro K4000	•	•
NVIDIA Quadro K5000	•	•
AMD FirePro 2270 PCIe		
AMD FirePro V3900 PCIe		
AMD FirePro V4900 PCIe		
AMD FirePro V5900 PCIe		
AMD FirePro V7900 PCIe		
System RAM		
Minimum (GB)	2	4
Maximum (GB)	4	128
Mass Storage Drives (See Note 5)		
All Supported SATA Hard Disk Drives	•	•
All Supported SSD Drives	•	•
All Supported SAS Hard Disk Drives	•	•
PCIe Controllers		
HP IEEE 1394b FireWire PCIe Card		
LSI 9260-8i SAS 6Gb/s ROC RAID Card		
LSI SAS 9217-8i Host Bus Adapter		
RAID Modes (See Note 5)		
SATA / SAS RAID on LSI 2308 Controller	RAID 0, 1	RAID 0,1
Removable CD/DVD Media		
HP 16x DVD-ROM Drive	•	•
HP 16x Super Multi DVD+RW (See Note 6)	•	•
Blu-ray Writer SATA ODD		
Network Cards (no modem support)		
Broadcom 5761 Gigabit PCIe NIC		
Intel CT x1 PCIe NIC	•	•
Intel NC360T PCIe Dual Port Gigabit NIC	•	•
Audio Options		
Creative Sound Blaster ReCon3D PCIe Audio Card		
USB Thin Speakers	•	•
Input/Output Devices		
HP Scroll Mouse, PS/2	•	•
HP Optical Scroll Mouse, USB	•	•
HP Standard Keyboard, USB & PS2	•	•
HP USB Spaceball or Space Pilot		
Smart Card Reader / Smart Card Keyboard (requires TPM support)		
HP 22-In-1 Media Card Reader	•	•
HP Serial Port Adapter Kit	•	•
HP eSATA 2 port Header		
HP eSAS miniSAS4e Rear Header and Bulkhead Header		
All Supported Monitors	•	•
Chassis Accessories		
HP Chassis Intrusion Sensor	•	•
Rack Mount Kits	•	•
HP Internal USB Port Kit	•	•
HP Liquid Cooling Solution	•	•

- Notes:
- SATA and SAS HDDs / SSD are attached to / controlled by the LSI 2308 Controller.
 - When running Windows® XP, Intel® vPro™/AMT manageability features are limited to those available independent of the Operating System ("out-of-band" features).
 - Customer responsible for Windows® XP localized image to match HP Keyboard localization ordered.
 - Windows® XP Pro (32 bit)supports a maximum of 24 virtual cores, including hyperthreading. Hyperthreading must be turned off for 8-Core Dual-CPU configurations.
 - Windows® XP Pro (32 bit) can not access drive volumes > 2.2TB; Windows XP64 requires GPT file system to access partitions > 2.2TB.
 - Optical drives are not shipped with Windows® XP optical drive application software.

LEGEND:
 Supported / Tested Option •
 Not Supported or Tested Option
 Any item not listed is not tested nor formally supported.