

## Produktinformation



## HP Workstation Z4 G4 - MT - Xeon W-2123 3.6 GHz - 16 GB - SSD 256 GB

### Information



Tillverkare	HP
Artnr	5UD45EA#UUW

Perfect for engineering and visualization, HP's popular workstation delivers disruptive performance for a wide spectrum of applications.

## Specifikation

### General

Platform Technology	Intel vPro Technology
Type	Workstation
Product Form Factor	Mini tower - 4U
Built-in Devices	Speaker
Embedded Security	Trusted Platform Module (TPM 2.0) Security Chip
Colour	Black
Localisation	Language: Danish, Norwegian, Finnish, Swedish / region: Denmark, Finland, Norway, Sweden

### Processor / Chipset

CPU	Intel Xeon W-2123 / 3.6 GHz
Max Turbo Speed	3.9 GHz
Number of Cores	Quad-Core
CPU Qty	1
Max CPU Qty	1
CPU Upgradability	Upgradable
Processor Main Features	Hyper-Threading Technology, Intel Turbo Boost Technology 2
CPU Socket	LGA2066 Socket
Chipset Type	Intel C422

### Cache Memory

<b>Installed Size</b>	8.25 MB
<b>Cache Per Processor</b>	8.25 MB
RAM	
<b>Installed Size</b>	16 GB / 256 GB (max)
<b>Technology</b>	DDR4 SDRAM - ECC
<b>Effective Memory Speed</b>	2666 MHz
<b>Rated Memory Speed</b>	2666 MHz
<b>Memory Specification Compliance</b>	PC4-20800
<b>Form Factor</b>	DIMM 288-pin
<b>Slots</b>	8 (Total) / 6 (empty)
<b>Features</b>	Registered
<b>Configuration Features</b>	2 x 8 GB
Hard Drive	
<b>Type</b>	SSD
<b>Capacity</b>	1 x 256 GB
<b>Interface Type</b>	PCI Express
<b>Features</b>	HP Z Turbo Drive
Storage Controller	
<b>Type</b>	1 x SATA
<b>Controller Interface Type</b>	SATA 6Gb/s
<b>Channel Qty</b>	6
<b>RAID Level</b>	RAID 0, RAID 1, RAID 10
Optical Storage	
<b>Type</b>	DVD-Writer DVD-Writer - SATA
Monitor	
<b>Monitor Type</b>	None.
Graphics Controller	
<b>Graphics Processor</b>	No graphics
Audio Output	
<b>Compliant Standards</b>	High Definition Audio
Input Device	
<b>Type</b>	Mouse, keyboard
Keyboard	
<b>Keyboard Name</b>	HP Business Slim Keyboard
<b>Interface</b>	USB
Mouse	

<b>Technology</b>	Optical
<b>Interface</b>	USB
Networking	
<b>Ethernet Controller</b>	Intel I219-LM
<b>Data Link Protocol</b>	Ethernet, Fast Ethernet, Gigabit Ethernet
<b>Features</b>	Wake on LAN (WoL), PXE support
Expansion / Connectivity	
<b>Bays</b>	2 (total) / 1 (free) x external 5.25" 2 (total) / 2 (free) x internal 3.5"
<b>Slots</b>	2 (total) / 2 (free) x PCIe 3.0 x16 2 (total) / 2 (free) x PCIe 3.0 x4 1 (total) / 1 (free) x PCIe 3.0 x8 2 (total) / 1 (free) x M.2 Card
<b>Interfaces</b>	8 x USB 3.1 Gen 1 1 x headphones/microphone 2 x USB 2.0 1 x audio line-in 1 x audio line-out 2 x USB-C 1 x PS/2 keyboard 1 x PS/2 mouse 2 x LAN (Gigabit Ethernet)
Miscellaneous	
<b>Theft/Intrusion Protection</b>	Security lock slot (cable lock sold separately)
<b>Security Slot Type</b>	Kensington security slot
<b>Compliant Standards</b>	ACPI, RoHS, FIPS 140-2, Common Criteria EAL4+, WEEE 2002/96/EC, ISO 11469, ISO 1043
Power	
<b>Device Type</b>	Power supply
<b>Nominal Voltage</b>	AC 120/230 V (50/60 Hz)
<b>Power Provided</b>	750 Watt
<b>80 PLUS Certification</b>	80 PLUS
<b>Efficiency</b>	90%
<b>Power Factor Correction</b>	Yes (active)
Operating System / Software	
<b>OS Provided</b>	Windows 10 Pro 64-bit Edition
Environmental Standards	
<b>ENERGY STAR Certified</b>	Yes
Manufacturer Warranty	
<b>Service &amp; Support</b>	Limited warranty - parts and labour - 3 years - on-site
Dimensions & Weight	
<b>Width</b>	16.9 cm
<b>Depth</b>	44.5 cm
<b>Height</b>	38.6 cm
<b>Weight</b>	11.3 kg
Environmental Parameters	

<b>Min Operating Temperature</b>	5 °C
<b>Max Operating Temperature</b>	35 °C
<b>Humidity Range Operating</b>	10 - 85% (non-condensing)