

HP Z4G4T XW2245 128GB/512 PC(11R06EA#UUZ)  
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Perfect for engineering and visualization,HP's popular workstation delivers disruptive performance for a wide spectrum of applications.

## Key Selling Points

Feature-rich functionality  
All the power without the noise  
HP's secure workstations

## Product Features

Feature-rich functionality

The Z4 is ahead of its time with more standard features than any other single processor HP workstation.

All the power without the noise

Next-generation acoustic design delivers quiet performance. A high frequency processor with a multi-core count is fully capable of handling the demands of 3D CAD and rendering software,so you can visualize your idea anytime during the design process.

HP's secure workstations

Advanced security features come standard on every Z4. Rest assured your device,identity and data are safe with security software like HP Client Security Suite and HP Sure Start,the self-healing BIOS with intrusion detection.

## Main Specifications

Product Description	HP Workstation Z4 G4 - MT - Xeon W-2245 3.9 GHz - vPro - 128 GB - SSD 512 GB,HDD 2 TB - Swiss
Type	Workstation - mini tower
Bundled Services	HP 5 years Next Business Day Onsite Hardware Support for Workstations (Unit Only)
Platform Technology	Intel vPro Platform
Height (Rack Units)	4U
Localisation	Language: German,French,Italian / region: Switzerland
Processor	1 x Intel Xeon W-2245 / 3.9 GHz (4.7 GHz) (8-core)
Processor Socket	LGA2066 Socket
Processor Main Features	Hyper-Threading Technology,Intel Turbo Boost Max 3.0
Cache Memory	16.5 MB
Cache Per Processor	16.5 MB
RAM	128 GB (installed) / 512 GB (max) - DDR4 SDRAM - ECC
Storage Controller	RAID (SATA 6Gb/s)
Hard Drive	SSD 512 GB - PCI Express 3.0 x4 - M.2 2280 - HP Z Turbo Drive,NVM Express (NVMe),triple-level cell (TLC)
Hard Drive (2nd)	HDD 2 TB - SATA 6Gb/s - 7200 rpm
Optical Storage	No optical drive
Card Reader	Yes
Graphics Controller	NVIDIA Quadro RTX 6000
Video Memory	24 GB GDDR5X SDRAM
CUDA Cores Qty	3840

Networking	GigE
Keyboard	Swiss
Power	AC 120/230 V (50/60 Hz)
OS Provided	Ubuntu
Colour	Black
Dimensions (WxDxH)	16.9 cm x 44.5 cm x 38.6 cm
Weight	10.2 kg
Manufacturer Warranty	Limited warranty - parts and labour - 3 years - on-site

## Extended Specification

### General

Platform Technology	Intel vPro Platform
Type	Workstation
Bundled Services	HP 5 years Next Business Day Onsite Hardware Support for Workstations (Unit Only)
Product Form Factor	Mini tower - 4U
Built-in Devices	Speaker,HP Z4 Hi-Power CPU Cooling Solution
Embedded Security	Trusted Platform Module (TPM 2.0) Security Chip
Colour	Black
Localisation	Language: German,French,Italian / region: Switzerland

### Processor / Chipset

CPU	Intel Xeon W-2245
Clock Speed	3.9 GHz
Max Turbo Speed	4.7 GHz
Number of Cores	8-core
CPU Qty	1
Max CPU Qty	1
CPU Upgradability	Upgradable
Processor Main Features	Hyper-Threading Technology,Intel Turbo Boost Max 3.0
CPU Socket	LGA2066 Socket
Chipset Type	Intel C422

### Cache Memory

Installed Size	16.5 MB
Cache Per Processor	16.5 MB

### RAM

Installed Size	128 GB / 512 GB (max)
Technology	DDR4 SDRAM - ECC
Effective Memory Speed	2933 MHz
Rated Memory Speed	2933 MHz
Form Factor	DIMM 288-pin
Slots	8 (Total) / 0 (empty)
Features	Registered
Configuration Features	8 x 16 GB

## Hard Drive

Type	SSD - M.2 2280
Capacity	1 x 512 GB
Interface Type	PCI Express 3.0 x4
Features	HP Z Turbo Drive,NVM Express (NVMe),triple-level cell (TLC)

## Hard Drive (2nd)

Type	HDD
Interface Class	Serial ATA
Capacity	1 x 2 TB
Interface Type	SATA 6Gb/s
Spindle Speed	7200 rpm
Features	Enterprise

## Storage Controller

Type	1 x RAID
Controller Interface Type	SATA 6Gb/s
Channel Qty	6
RAID Level	RAID 0,RAID 1,RAID 5,RAID 10

## Optical Storage

Type	No optical drive
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## Card Reader

Type	Card reader
Supported Flash Memory Cards	SD Memory Card,SDHC Memory Card,SDXC Memory Card,SDHC UHS-II Memory Card,SDXC UHS-II Memory Card

## Monitor

Monitor Type	None.
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## Graphics Controller

Graphics Processor	NVIDIA Quadro RTX 6000
Video Memory	24 GB GDDR5X SDRAM
CUDA Cores Qty	3840
Video Interfaces	DVI,DisplayPort

## Audio Output

Compliant Standards	High Definition Audio
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## Input Device

Type	Mouse,keyboard
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## Keyboard

Keyboard Name	HP Business Slim Keyboard
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Interface	USB
Localization &Layout	Swiss

#### Mouse

Technology	Optical
Interface	USB

#### Networking

Ethernet Ports	2 x Gigabit Ethernet
Ethernet Controller	Intel I219-LM,I210-AT
Data Link Protocol	Ethernet,Fast Ethernet,Gigabit Ethernet
Features	Wake on LAN (WoL),Intel Active Management Technology (AMT),PXE 2.1 support

#### Expansion / Connectivity

Bays	2 (total) / 1 (free) x external 5.25" 2 (total) / 1 (free) x internal 3.5"
Slots	2 (total) / 1 (free) x PCIe 3.0 x16 2 (total) / 2 (free) x PCIe 3.0 x4 (open ended) 1 (total) / 1 (free) x PCIe 3.0 x8 (open ended) 2 (total) / 1 (free) x M.2 Card - 2260/2280/22110 (x4 mode)
Interfaces	8 x USB 3.1 Gen 1 (2 front,6 rear) (one of them is charging) 1 x headphones/microphone (1 in front) 1 x audio line-out/line-in 1 x PS/2 keyboard / mouse 2 x LAN (Gigabit Ethernet) 4 x DisplayPort 1 x SLI 1 x DVI-D (dual link) 2 x USB-C 3.1 Gen 2 (2 in front) 1 x quadro video sync-out

#### Miscellaneous

Theft/Intrusion Protection	Security lock slot (cable lock sold separately)
Security Slot Type	Kensington security slot
Compliant Standards	RoHS,WEEE,Common Criteria EAL4+ ,ACPI 5.0,low halogen

#### Power

Device Type	Power supply
Voltage Required	AC 120/230 V (50/60 Hz)
Power Provided	1000 Watt
80 PLUS Certification	80 PLUS
Efficiency	90%
Power Factor Correction	Yes (active)

#### Operating System / Software

OS Provided	Ubuntu
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#### Manufacturer Warranty

Service &Support	Limited warranty - parts and labour - 3 years - on-site
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## Dimensions &Weight

Width	16.9 cm
Depth	44.5 cm
Height	38.6 cm
Weight	10.2 kg

## Dimensions &Weight (Shipping)

Shipping Width	31.4 cm
Shipping Depth	56.3 cm
Shipping Height	57.2 cm

## Environmental Parameters

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

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