

HP Workstation Z2 G9 - tower Core i7 13700K 3.4 GHz - 32 GB - SSD 1 TB



Not in stock

SKU	98T54ET#UUW
Product Description:	HP Workstation Z2 G9 - tower Core i7 13700K 3.4 GHz - 32 GB - SSD 1 TB
Type:	Workstation - tower
Height (Rack Units):	4U
Localisation:	Language: Danish, Norwegian, Finnish, Swedish / region: Denmark, Finland, Norway, Sweden
Processor:	1 x Intel Core i7 (13th Gen) 13700K / 3.4 GHz (, up to 5.4 GHz, (16-core)
Processor Socket:	LGA1700 Socket
Processor Main Features:	Hyper-Threading Technology, Intel Turbo Boost Technology 2, Intel Smart Cache, Intel Turbo Boost Max 3.0

General

Type:	Workstation
Product Form Factor:	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 Core i7 (13th Gen) 13700K
Clock Speed:	3.4 GHz (P-core) / 2.5 GHz (E-core)
Max Turbo Speed:	5.4 GHz (P-core) / 4.2 GHz (E-core)
Number of Cores:	16-core
CPU Qty:	1
Max CPU Qty:	1

Environmental Parameters

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

Dimensions & Weight (Shipping)

Shipping Width:	29.5 cm
Shipping Depth:	49 cm
Shipping Height:	51.8 cm

Dimensions & Weight

Width:	16.9 cm
Depth:	38.5 cm
Height:	35.6 cm
Weight:	7.2 kg

Manufacturer Warranty

Processor / Chipset

L2 cache: 24 MB

CPU Upgradability: Upgradable

Processor Main Features: Hyper-Threading Technology, Intel Turbo Boost Technology 2, Intel Smart Cache, Intel Turbo Boost Max 3.0

CPU Socket: LGA1700 Socket

Chipset Type: Intel W680

Cache Memory

Installed Size: L3 Cache - 30 MB

Cache Per Processor: 30 MB

RAM

Installed Size: 32 GB (installed) / 128 GB (max)

Technology: DDR5 SDRAM - non-ECC

Effective Memory Speed: 4800 MHz

Rated Memory Speed: 4800 MHz

Form Factor: DIMM 288-pin

Slots: 4 (Total) / 2 (empty)

Features: Unbuffered, dual channel memory architecture

Configuration Features: 2 x 16 GB

Hard Drive

Type: SSD - M.2 2280

Capacity: 1 x 1 TB

Interface Type: PCI Express 4.0 x4

Features: HP Z Turbo Drive, NVMe Express (NVMe), triple-level cell (TLC)

Storage Controller

Type: 1 x SATA/NVMe

Controller Interface Type: SATA 6Gb/s / PCIe 4.0 x4 (NVMe)

Manufacturer Warranty

Service & Support: Limited warranty - parts and labour - 3 years - on-site

Operating System / Software

OS Provided: Windows 11 Pro Danish / English / Finnish / Norwegian / Swedish

Software: HP Support Assistant, HP PC Hardware Diagnostics UEFI, HP Driver Packs, HP Image Assistant, HP PC Hardware Diagnostics, HP ZCentral Remote Boost, HP Management Integration Kit for Microsoft System Center Configuration Manager Gen 4, HP Performance Advisor 3.0

Power

Device Type: Power supply

Power Provided: 700 Watt

Efficiency: 92%

Power Factor Correction: Yes (active)

Miscellaneous

Theft/Intrusion Protection: Security lock slot (cable lock sold separately), padlock loop

Security Slot Type: Kensington security slot

Compliant Standards: RoHS, FIPS 140-2, WEEE, Energy-Related Products (ErP) Lot 6, CECP, SEPA, low halogen

Manufacturer Selling Program: HP Smart Buy

Expansion / Connectivity

Bays: 1 (total) / 1 (free) x external 5.25" ; 1 (total) / 1 (free) x external 5.25" Slim Line ; 2 (total) / 2 (free) x internal 3.5" ; 1 (total) / 1 (free) x internal 2.5"

Storage Controller

Channel Qty:	4
RAID Level:	RAID 0, RAID 1

Optical Storage

Type:	No optical drive
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Monitor

Monitor Type:	None.
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Graphics Controller

Interface Type:	PCIe 4.0 x16
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Multi-GPU Configuration:	1 single GPU card / integrated GPU
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Graphics Processor:	NVIDIA RTX A2000 / Intel UHD Graphics 770
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Video Memory:	12 GB GDDR6 SDRAM
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Bandwidth:	288 GBps
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Video Interfaces:	DisplayPort
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Expansion / Connectivity

Slots:	1 (total) / 0 (free) x PCIe 5.0 x16 - full-length, full-height ; 1 (total) / 1 (free) x PCIe 3.0 x4 - full-length, full-height (x1 mode, open ended) ; 1 (total) / 1 (free) x PCIe 3.0 x4 - full-length, full-height (open ended) ; 1 (total) / 1 (free) x PCIe 3.0 x16 - full-length, full-height (x4 mode) ; 3 (total) / 2 (free) x M.2 Card - 2280 ; 1 (total) / 1 (free) x M.2 Card - 2230 (PCIe 3.0 x1 mode and Intel CNVi wireless module)
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Interfaces:	1 x headphones/microphone (1 in front) (CTIA and OMTP headset support) ; 6 x USB 3.2 Gen 2 (4 front, 2 rear) (one of them is charging) ; 1 x audio line-in ; 1 x audio line-out ; 2 x DisplayPort 1.4 ; 3 x USB 2.0 ; 1 x USB 3.2 Gen 1 ; 1 x LAN (Gigabit Ethernet) ; 4 x Mini DisplayPort 1.4
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Networking

Ethernet Controller:	Intel I219-LM
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Data Link Protocol:	Ethernet, Fast Ethernet, Gigabit Ethernet
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Features:	Wake on LAN (WoL), ACPI support, auto-uplink (auto MDI/MDI-X), PXE 2.1 support, Intel Active Management Technology (AMT) 16
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Compliant Standards:	IEEE 802.3, IEEE 802.3u, IEEE 802.3i, IEEE 802.3z, IEEE 802.1Q, IEEE 802.3ab, IEEE 802.1p, IEEE 802.1as, IEEE 802.3az
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Mouse

Mouse Name:	HP 320M
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Keyboard

Keyboard Name:	HP 320K
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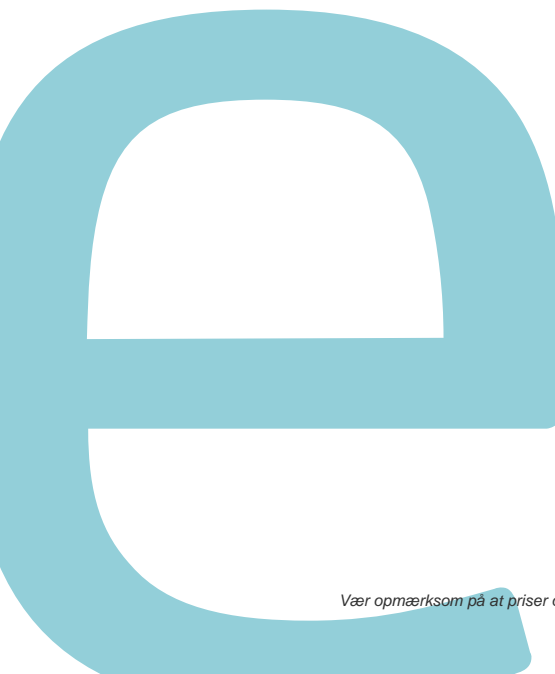
Interface:	USB
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Input Device

Type:	Mouse, keyboard
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Audio Output

Compliant Standards:	High Definition Audio
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Audio Output

Speakers Included:

1 x mixed channel

