

HP Workstation Z2 G9 - tower - Core i7 13700 2.1 GHz - 32 GB - SSD 512 GB



Not in stock

SKU	98T56ET#UUW
Product Description:	HP Workstation Z2 G9 - tower - Core i7 13700 2.1 GHz - 32 GB - SSD 512 GB
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) 13700 / 2.1 GHz (, up to 5.2 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
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) 13700
Clock Speed:	2.1 GHz (P-core) / 1.5 GHz (E-core)
Max Turbo Speed:	5.2 GHz (P-core) / 4.1 GHz (E-core)
Number of Cores:	16-core
CPU Qty:	1
Max CPU Qty:	1
L2 cache:	24 MB

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

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 / 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 512 GB
Interface Type:	PCI Express 4.0 x4
Features:	HP Z Turbo Drive, NVM Express (NVMe), triple-level cell (TLC)

Storage Controller

Type:	1 x SATA/NVMe
Controller Interface Type:	SATA 6Gb/s / PCIe 4.0 x4 (NVMe)
Channel Qty:	4

Manufacturer Warranty

Service & Support:	Limited warranty - parts and labour - 3 years - on-site
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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
Voltage Required:	AC 120/230 V
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

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"
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Storage Controller

RAID Level:	RAID 0, RAID 1
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Optical Storage

Type:	No optical drive
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Monitor

Monitor Type:	None.
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Graphics Controller

Graphics Processor:	Intel UHD Graphics 770 Unified Memory Architecture (UMA)
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Video Interfaces:	DisplayPort
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Audio Output

Compliant Standards:	High Definition Audio
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Expansion / Connectivity

Slots:	1 (total) / 1 (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)
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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
Interface:	USB

Input Device

Type:	Mouse, keyboard
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