

# HP Workstation Z2 G9 - SFF Core i7 13700 2.1 GHz - 16 GB - SSD 512 GB



In Stock(29)

SKU	98T58ET#UJW
Product Description:	HP Workstation Z2 G9 - SFF Core i7 13700 2.1 GHz - 16 GB - SSD 512 GB
Type:	Workstation - SFF
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:	Intel Turbo Boost Technology
Cache Memory:	30 MB L3 Cache

## General

Type:	Workstation
Product Form Factor:	SFF
Sensors:	HP Tamper Lock
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% (non-condensing)

## Dimensions & Weight (Shipping)

Shipping Width:	19.9 cm
Shipping Depth:	49 cm
Shipping Height:	51.4 cm
Shipping Weight:	5.9 kg

## Dimensions & Weight

Width:	38.4 cm
Depth:	30.8 cm
Height:	10 cm
Weight:	5 kg

## Sustainability Information

ENERGY STAR Certified:	Yes
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## Processor / Chipset

CPU Upgradability:	Upgradable
Processor Main Features:	Intel Turbo Boost Technology
CPU Socket:	LGA1700 Socket
Chipset Type:	Intel W680

## Cache Memory

Installed Size:	L3 Cache - 30 MB
Cache Per Processor:	30 MB

## RAM

Installed Size:	16 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) / 3 (empty)
Features:	Unbuffered
Configuration Features:	1 x 16 GB

## Hard Drive

Type:	SSD - M.2 2280
Capacity:	1 x 512 GB
Interface Type:	PCI Express
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
RAID Level:	RAID 0, RAID 1

## Optical Storage

## Operating System / Software

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

Device Type:	Power adapter
Voltage Required:	AC 90-269 V (50/60 Hz)
Power Provided:	450 Watt
Efficiency:	90%
Power Factor Correction:	Yes (active)

## Miscellaneous

Theft/Intrusion Protection:	Security lock slot (cable lock sold separately), padlock loop, chassis intrusion sensor
Security Slot Type:	Kensington security slot
Compliant Standards:	RoHS, FIPS 140-2, WEEE, CECP, low halogen
Manufacturer Selling Program:	HP Smart Buy

## Expansion / Connectivity

Bays:	1 (total) / 1 (free) x external 3.5" ; 1 (total) / 1 (free) x external 5.25" Slim Line ; 1 (total) / 0 (free) x internal 3.5"
Slots:	1 (total) / 0 (free) x PCIe 4.0 x16 ; 1 (total) / 1 (free) x PCIe 3.0 x4 ; 1 (total) / 1 (free) x PCIe 3.0 x16 (PCIe 3.0 x4 mode) ; 1 (total) / 1 (free) x PCIe 3.0 x1 ; 3 (total) / 2 (free) x M.2 Card - 2280 (PCIe 4.0 x4 mode) ; 1 (total) / 1 (free) x M.2 Card - 2230 (PCIe 3.0 x1 mode and Intel CNVi wireless module)

## Optical Storage

Type: No optical drive

## Monitor

Monitor Type: None.

## Graphics Controller

Interface Type: PCIe 3.0 x16

Multi-GPU Configuration: 1 single GPU card / integrated GPU

Graphics Processor: NVIDIA T400 / Intel UHD Graphics 770

Video Memory: 4 GB GDDR6 SDRAM

Bandwidth: 80 GBps

Video Interfaces: DisplayPort

Max Monitors Supported: 4

## Expansion / Connectivity

1 x headphones/microphone (1 in front) (CTIA and OMTP headset support) ; 4 x USB 3.2 Gen 2 (4 in front) (one of them is charging) ; 1 x USB-C 3.2 Gen 2x2 (1 in front) (charging) ; 1 x audio line-out ; 2 x DisplayPort 1.4 ; 3 x USB 2.0 ; 3 x USB 3.2 Gen 1 ; 1 x LAN (Gigabit Ethernet) - RJ-45 ; 3 x Mini DisplayPort 1.4

## Networking

Ethernet Controller: Intel I219-LM

Data Link Protocol: Ethernet, Fast Ethernet, Gigabit Ethernet

Features: Wake on LAN (WoL), ACPI support, auto-uplink (auto MDI/MDI-X), PXE 2.1 support

Compliant Standards: IEEE 802.1Q, IEEE 802.1p, IEEE 802.1as, IEEE 802.3az

## Mouse

Mouse Name: HP 320M

## Keyboard

Keyboard Name: HP 320K

Interface: USB

## Input Device

Type: Mouse, keyboard

## Audio Output

Compliant Standards: High Definition Audio

