HP

HP Z2 G9 Intel® Core™ i7 i7-13700 16 GB DDR5-SDRAM 512 GB SSD NVIDIA Quadro T1000 Windows 11 Pro Tower Workstation Black

Brand : HP   **Product family:** Z2   **Product code:** 98T47ET

Product name : Z2 G9

- Intel® Core™ i7-13700 (up to 5.2 GHz with Intel® Turbo Boost Technology, 30 MB L3 cache, 16 cores, 24 threads)
- Windows 11 Pro
- NVIDIA® T1000 (8 GB GDDR6 dedicated)
- 16 GB memory; 512 GB SSD storage
Z2 Tower G9 Workstation, Windows 11 Pro, Intel® Core™ i7, 16GB RAM, 512GB SSD, T1000

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Pro-power. Today and tomorrow
Experience a whole new level of performance for your professional workflow. The Z2 Tower is engineered to seamlessly run multi-threaded apps for fast rendering, simulation, and now real-time ray tracing. And when your demands change, you have impressive expandability to upgrade.

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i7
Processor generation	13th gen Intel® Core™ i7
Processor model *	i7-13700
Processor cores	16
Processor threads	24
Processor boost frequency	5.2 GHz
Performance cores	8
Efficient cores	8
Performance-core Max Turbo Frequency	5.1 GHz
Efficient-core Max Turbo Frequency	4.1 GHz
Performance-core base frequency	2.1 GHz
Efficient-core base frequency	1.5 GHz
Processor cache	30 MB
Processor cache type	L3
Processor base power	65 W
Maximum turbo power	219 W

Memory

Internal memory *	16 GB
Maximum internal memory *	128 GB
Internal memory type	DDR5-SDRAM
Memory layout (slots x size)	1 x 16 GB
Memory slots	4x DIMM

Ports & interfaces

USB 2.0 ports quantity *	3
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	6
DisplayPorts quantity	2
Ethernet LAN (RJ-45) ports	1
Line-out	✔
Line-in	✔

Expansion slots

PCI Express x1 (Gen 3.x) slots	2
PCI Express x4 (Gen 3.x) slots	2
PCI Express x16 (Gen 5.x) slots	1

Design

Chassis type *	Tower
Placement supported	Vertical
Number of 3.5" bays	2
Number of 2.5" bays	1
Product colour *	Black
Introduction year	2023

Performance

Market positioning	Performance
Motherboard chipset	Intel W680

Memory

Memory clock speed	4800 MHz
ECC	✘
Non-ECC	✓

Storage

Total storage capacity *	512 GB
Storage media *	SSD
Optical drive type *	✘
Number of storage drives installed	1
Total SSDs capacity	512 GB
Number of SSDs installed	1
SSD capacity	512 GB
SSD memory type	TLC
SSD interface	PCI Express 4.0
NVMe	✓
SSD form factor	M.2

Graphics

Discrete graphics card *	✓
Discrete GPU manufacturer	NVIDIA
On-board graphics card *	✓
Discrete graphics card model *	NVIDIA Quadro T1000
Discrete graphics card memory	8 GB
Discrete graphics memory type	GDDR6
Number of discrete graphics cards	1
On-board GPU manufacturer	Intel
On-board graphics card family	Intel® UHD Graphics
On-board graphics card model *	Intel UHD Graphics 770

Network

Ethernet LAN *	✓
Ethernet LAN data rates	10,1000,100 Mbit/s
Wi-Fi *	✘

Performance

Audio chip	Realtek ALC3205-VA2-CG
Audio output channels	2.0 channels
Built-in speaker(s)	✓
Number of speakers	1
Password protection	✓
Password protection type	BIOS, Power on, User
Product type *	Workstation

Software

Operating system installed *	Windows 11 Pro
Pre-installed software	HP PC Hardware Diagnostics UEFI; HP Support Assistant; HP PC Hardware Diagnostics Windows; ZCentral Remote Boost; HP Image Assistant; HP Manageability Integration Kit; Performance Advisor 3.0

Brand-specific features

HP Support Assistant	✓
HP Security tools	HP Secure Erase; HP Sure Click; HP BIOSphere Gen6; HP Sure Admin; Hood Sensor Optional Kit; HP Client Security Manager Gen6; HP Sure Start Gen7; HP Sure Recover Gen4; HP Sure Sense Gen2; HP Sure Run Gen5
HP Management tools	HP Driver Packs; HP Management Integration Kit for Microsoft System Center Configuration Management Gen4; HP System Software Manager (download); HP BIOS Configuration Utility (download)
HP GTIN (EAN/UPC)	197961447996
HP segment	Business

Power

Power supply *	700 W
Power supply input voltage	100 - 240 V
Power supply input frequency	50 - 60 Hz

Weight & dimensions

Width *	356 mm
Depth *	169 mm
Height *	385 mm
Weight *	7.2 kg
Package width	518 mm
Package depth	295 mm
Package height	490 mm

Packaging content

Display included *	✘
Mouse included	✓
Keyboard included	✓
Keyboard connectivity	Wired

Logistics data

Harmonized System (HS) code	8471500000

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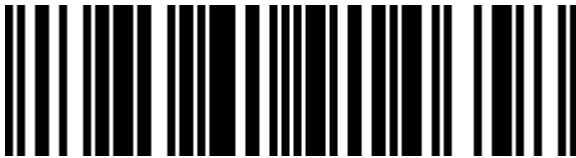
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