HP Z2 G9 Intel® Core™ i7 i7-13700 16 GB DDR5-SDRAM 512 GB SSD NVIDIA T400 Windows 11 Pro Mini PC Workstation Black

Brand : HP

Product code: 865L4ET

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® T400 (4 GB GDDR6 dedicated)
- 16 GB memory; 512 GB SSD storage

Z2 Mini G9 Workstation, Windows 11 Pro, Intel® Core™ i7, 16GB RAM, 512GB SSD, T400

HP Z2 G9 Intel® Core™ i7 i7-13700 16 GB DDR5-SDRAM 512 GB SSD NVIDIA T400 Windows 11 Pro Mini PC Workstation Black:

Powers large workflows. Fits a tiny space.
Tackle workflows you never thought before possible on such a tiny PC. The HP Z2 Mini easily fits on your desk or behind your monitor so you can tackle 3D projects without losing valuable office space. All while feeling protected From the BIOS to the browser, above, in, and below the OS with HP Wolf Security Suite.

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
Internal memory type	DDR5-SDRAM
Memory layout (slots x size)	1 x 16 GB
Memory slots	2x SO-DIMM
Memory clock speed	5600 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

Network	
Ethernet LAN *	✓
Wi-Fi *	✗

Ports & interfaces	
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	4
USB 3.2 Gen 2x2 Type-C ports quantity	2
DisplayPorts quantity	2
DisplayPort version	1.4
Ethernet LAN (RJ-45) ports	1
Combo headphone/mic port	✓

Expansion slots	
PCI Express x4 (Gen 4.x) slots	2
PCI Express x8 (Gen 4.x) slots	1

Design	
Chassis type *	Mini PC
Product colour *	Black
Introduction year	2023

Performance	
Market positioning	Performance
Audio chip	Realtek ALC3205-VA2-CG
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

Storage	
NVMe	✓
SSD form factor	M.2

Graphics	
Discrete graphics card *	✓
Discrete GPU manufacturer	NVIDIA
On-board graphics card *	✓
Discrete graphics card model *	NVIDIA T400
Discrete graphics card memory	4 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

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 GTIN (EAN/UPC)	197961447903
HP segment	Business

Power	
Power supply *	280 W
Power supply input voltage	100 - 240 V
Power supply input frequency	50 - 60 Hz

Weight & dimensions	
Width *	211 mm
Depth *	218 mm
Height *	69 mm
Weight *	2.4 kg
Package width	499 mm
Package depth	170 mm
Package height	298 mm
Package weight	4.8 kg

Packaging content	
Display included *	✗
Mouse included	✓
Keyboard included	✓

Logistics data	
Harmonized System (HS) code	8471500000

Other features	
Keyboard type	USB

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