



# 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

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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		Network	
Processor manufacturer *	Intel	Ethernet LAN *	✓
Processor family *	Intel® Core™ i7	Wi-Fi *	✗
Processor generation	13th gen Intel® Core™ i7	<b>Ports &amp; interfaces</b>	
Processor model *	i7-13700	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	4
Processor cores	16	USB 3.2 Gen 2x2 Type-C ports quantity	2
Processor threads	24	DisplayPorts quantity	2
Processor boost frequency	5.2 GHz	DisplayPort version	1.4
Performance cores	8	Ethernet LAN (RJ-45) ports	1
Efficient cores	8	Combo headphone/mic port	✓
Performance-core Max Turbo Frequency	5.1 GHz	<b>Expansion slots</b>	
Efficient-core Max Turbo Frequency	4.1 GHz	PCI Express x4 (Gen 4.x) slots	2
Performance-core base frequency	2.1 GHz	PCI Express x8 (Gen 4.x) slots	1
Efficient-core base frequency	1.5 GHz	<b>Design</b>	
Processor cache	30 MB	Chassis type *	Mini PC
Processor cache type	L3	Product colour *	Black
Processor base power	65 W	Introduction year	2023
Maximum turbo power	219 W	<b>Performance</b>	
<b>Memory</b>		Market positioning	Performance
Internal memory *	16 GB	Audio chip	Realtek ALC3205-VA2-CG
Internal memory type	DDR5-SDRAM	Built-in speaker(s)	✓
Memory layout (slots x size)	1 x 16 GB	Number of speakers	1
Memory slots	2x SO-DIMM	Password protection	✓
Memory clock speed	5600 MHz	Password protection type	BIOS, Power on, User
ECC	✗	Product type *	Workstation
Non-ECC	✓	<b>Software</b>	
<b>Storage</b>		Operating system installed *	Windows 11 Pro
Total storage capacity *	512 GB	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 media *	SSD	Pre-installed software	
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		

Storage		Brand-specific features	
NVMe	✓	HP Support Assistant	✓
SSD form factor	M.2		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
Graphics		HP Security tools	
Discrete graphics card *	✓	HP GTIN (EAN/UPC)	197961447903
Discrete GPU manufacturer	NVIDIA	HP segment	Business
On-board graphics card *	✓	Power	
Discrete graphics card model *	NVIDIA T400	Power supply *	280 W
Discrete graphics card memory	4 GB	Power supply input voltage	100 - 240 V
Discrete graphics memory type	GDDR6	Power supply input frequency	50 - 60 Hz
Number of discrete graphics cards	1	Weight & dimensions	
On-board GPU manufacturer	Intel	Width *	211 mm
On-board graphics card family	Intel® UHD Graphics	Depth *	218 mm
On-board graphics card model *	Intel UHD Graphics 770	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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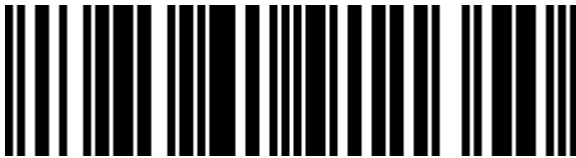
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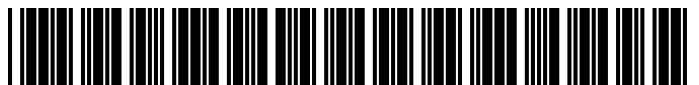
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