



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



**Brand :** HP

**Product code:** 98T45ET

**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 Small Form Factor G9 Workstation, Windows 11 Pro, Intel® Core™ i7, 16GB RAM, 512GB SSD, T1000



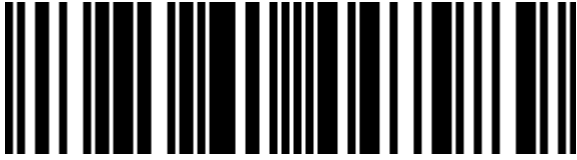
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Full size Z tower power at half the size

Get all the power of a full size tower at a fraction of the size. Re-engineered to fit full-height, full-length graphics while leaving room for upgrades and expansion, the Z2 SFF delivers high performance for your intensive workflow—from 3D design to real time ray tracing—now and in the future.

Processor		Ports & interfaces	
Processor manufacturer *	Intel	USB 2.0 ports quantity *	3
Processor family *	Intel® Core™ i7	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
Processor generation	13th gen Intel® Core™ i7	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	6
Processor model *	i7-13700	USB 3.2 Gen 2x2 Type-C ports quantity	1
Processor cores	16	USB Power Delivery	✓
Processor threads	24	USB Type-C DisplayPort Alternate Mode	✓
Processor boost frequency	5.2 GHz	DisplayPorts quantity	2
Performance cores	8	DisplayPort version	1.4
Efficient cores	8	Ethernet LAN (RJ-45) ports	1
Performance-core Max Turbo Frequency	5.1 GHz	Line-out	✓
Efficient-core Max Turbo Frequency	4.1 GHz	Line-in	✓
Performance-core base frequency	2.1 GHz	<b>Expansion slots</b>	
Efficient-core base frequency	1.5 GHz	PCI Express x1 (Gen 3.x) slots	1
Processor cache	30 MB	PCI Express x4 (Gen 3.x) slots	2
Processor cache type	L3	PCI Express x16 (Gen 4.x) slots	3
Processor base power	65 W	<b>Design</b>	
Maximum turbo power	219 W	Chassis type *	SFF
<b>Memory</b>		Number of 3.5" bays	1
Internal memory *	16 GB	Number of 2.5" bays	1
Internal memory type	DDR5-SDRAM	Product colour *	Black
Memory layout (slots x size)	1 x 16 GB	Introduction year	2023
Memory clock speed	4800 MHz	<b>Performance</b>	
ECC	✗	Market positioning	Performance
Non-ECC	✓	Audio chip	Realtek ALC3252
<b>Storage</b>		Password protection	✓
Total storage capacity *	512 GB	Password protection type	BIOS, Power on, User
Storage media *	SSD	Product type *	Workstation
Optical drive type *	✗	<b>Software</b>	
Number of storage drives installed	1	Operating system installed *	Windows 11 Pro
Total SSDs capacity	512 GB		
Number of SSDs installed	1		
SSD capacity	512 GB		
SSD memory type	TLC		
SSD interface	PCI Express		
NVMe	✓		

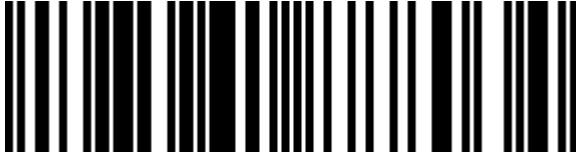
Storage		Software	
SSD form factor	M.2		HP PC Hardware Diagnostics UEFI; HP Support Assistant; HP PC Hardware Diagnostics Windows; ZCentral Remote Boost; HP Image Assistant; HP Manageability Integration Kit; Performance Advisor 3.0
Graphics		Pre-installed software	
Discrete graphics card *	✓		
Discrete 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		
Network			
Ethernet LAN *	✓		
Wi-Fi *	✗		
		HP Support Assistant	✓ 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 Security tools	
		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)	197961447989
		HP segment	Business
		Power	
		Power supply *	450 W
		Power supply input voltage	100 - 240 V
		Power supply input frequency	50 - 60 Hz
		Weight & dimensions	
		Width *	384 mm
		Depth *	308 mm
		Height *	100 mm
		Weight *	5 kg
		Package width	100 mm
		Package depth	384 mm
		Package height	308 mm
		Package weight	5.9 kg
		Packaging content	
		Display included *	✗
		Keyboard included	✓
		Other features	
		Keyboard type	USB



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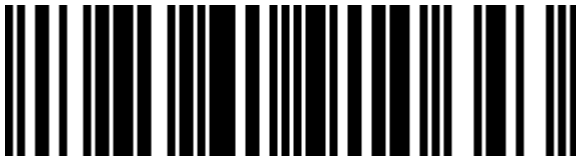
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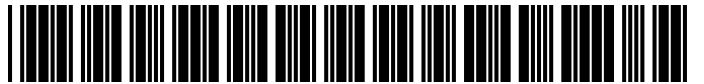
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