



HP Z2 G9 Intel® Core™ i9 i9-13900 32 GB DDR5-SDRAM 1 TB SSD Windows 11 Pro Tower Workstation Black

Brand : HP

Product family: Z2

Product code: 98T48ET

Product name : Z2 G9

- Intel® Core™ i9-13900 (up to 5.6 GHz with Intel® Turbo Boost Technology, 36 MB L3 cache, 24 cores, 24 threads)
 - Windows 11 Pro
 - Intel® UHD Graphics
 - 32 GB memory; 1 TB SSD storage
- Z2 Tower G9 Workstation, Windows 11 Pro, Intel® Core™ i9, 32GB RAM, 1TB SSD

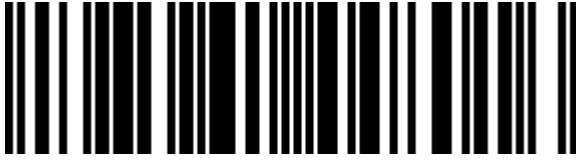
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Pro-power. Today and tomorrow
Experience a whole new level of performance for your professional workflow. The Z2 Tower is engineered to seamlessly run multi-threaded apps for fast rendering, simulation, and now real-time ray tracing. And when your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



Processor		Ports & interfaces	
Processor manufacturer *	Intel	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
Processor family *	Intel® Core™ i9	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	6
Processor generation	13th gen Intel® Core™ i9	DisplayPorts quantity	2
Processor model *	i9-13900	Ethernet LAN (RJ-45) ports	1
Processor cores	24	Line-out	✓
Processor threads	24	Line-in	✓
Processor boost frequency	5.6 GHz	Expansion slots	
Performance cores	8	PCI Express x1 (Gen 3.x) slots	2
Efficient cores	16	PCI Express x4 (Gen 3.x) slots	2
Performance-core Max Turbo Frequency	5.2 GHz	PCI Express x16 (Gen 5.x) slots	1
Efficient-core Max Turbo Frequency	4.2 GHz	Design	
Performance-core base frequency	2 GHz	Chassis type *	Tower
Efficient-core base frequency	1.5 GHz	Placement supported	Vertical
Processor cache	36 MB	Number of 3.5" bays	2
Processor cache type	L3	Number of 2.5" bays	1
Processor base power	65 W	Product colour *	Black
Maximum turbo power	219 W	Introduction year	2023
Memory		Performance	
Internal memory *	32 GB	Market positioning	Performance
Maximum internal memory *	128 GB	Motherboard chipset	Intel W680
Internal memory type	DDR5-SDRAM	Audio chip	Realtek ALC3205-VA2-CG
Memory layout (slots x size)	2 x 16 GB		
Memory slots	4x DIMM		

Memory		Performance	
Memory clock speed	4800 MHz	Audio output channels	2.0 channels
ECC	✗	Built-in speaker(s)	✓
Non-ECC	✓	Number of speakers	1
Storage		Password protection	✓
Total storage capacity *	1 TB	Password protection type	BIOS, Power on, User
Storage media *	SSD	Product type *	Workstation
Optical drive type *	✗	Software	
Number of storage drives installed	1	Operating system installed *	Windows 11 Pro
Total SSDs capacity	1 TB	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	
Number of SSDs installed	1	Pre-installed software	
SSD capacity	1 TB	Brand-specific features	
SSD memory type	TLC	HP Support Assistant	✓
SSD interface	PCI Express 4.0	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	
NVMe	✓	HP Security tools	
SSD form factor	M.2	HP Driver Packs; HP Management Integration Kit for Microsoft System Center Configuration Management Gen4; HP System Software Manager (download); HP BIOS Configuration Utility (download)	
Card reader integrated	✓	HP Management tools	
Compatible memory cards	SD	HP GTIN (EAN/UPC)	197961448016
Graphics		HP segment	Business
Discrete graphics card *	✗	Power	
On-board graphics card *	✓	Power supply *	700 W
Discrete graphics card model *	Not available	Power supply input voltage	100 - 240 V
On-board GPU manufacturer	Intel	Power supply input frequency	50 - 60 Hz
On-board graphics card family	Intel® UHD Graphics	Weight & dimensions	
On-board graphics card model *	Intel® UHD Graphics	Width *	356 mm
Network		Depth *	169 mm
Ethernet LAN *	✓	Height *	385 mm
Ethernet LAN data rates	10,1000,100 Mbit/s	Weight *	7.2 kg
Wi-Fi *	✗	Package width	518 mm
Ports & interfaces		Package depth	295 mm
USB 2.0 ports quantity *	3	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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