



# HP Z2 G9 Intel® Core™ i7 i7-13700 16 GB DDR5-SDRAM 512 GB SSD NVIDIA RTX A2000 Windows 11 Pro Tower Workstation Black

Brand : HP

Product family: Z2

Product code: 98T50ET

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 RTX™ A2000 (12 GB GDDR6 dedicated)
  - 16 GB memory; 512 GB SSD storage
- Z2 Tower G9 Workstation, Windows 11 Pro, Intel® Core™ i7, 16GB RAM, 512GB SSD, NVIDIA® RTX™ A2000

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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 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	DisplayPorts quantity	2
Processor cores	16	Ethernet LAN (RJ-45) ports	1
Processor threads	24	Line-out	✓
Processor boost frequency	5.2 GHz	Line-in	✓
Performance cores	8	<b>Expansion slots</b>	
Efficient cores	8	PCI Express x1 (Gen 3.x) slots	2
Performance-core Max Turbo Frequency	5.1 GHz	PCI Express x4 (Gen 3.x) slots	2
Efficient-core Max Turbo Frequency	4.1 GHz	PCI Express x16 (Gen 5.x) slots	1
Performance-core base frequency	2.1 GHz	<b>Design</b>	
Efficient-core base frequency	1.5 GHz	Chassis type *	Tower
Processor cache	30 MB	Placement supported	Vertical
Processor cache type	L3	Number of 3.5" bays	2
Processor base power	65 W	Number of 2.5" bays	1
Maximum turbo power	219 W	Product colour *	Black
<b>Memory</b>		Introduction year	2023
Internal memory *	16 GB	<b>Performance</b>	
Maximum internal memory *	128 GB	Market positioning	Performance
Internal memory type	DDR5-SDRAM	Motherboard chipset	Intel W680
Memory layout (slots x size)	1 x 16 GB		
Memory slots	4x DIMM		

<b>Memory</b>		<b>Performance</b>	
Memory clock speed	4800 MHz	Audio chip	Realtek ALC3205-VA2-CG
ECC	✘	Audio output channels	2.0 channels
Non-ECC	✔	Built-in speaker(s)	✔
<b>Storage</b>		Number of speakers	1
Total storage capacity *	512 GB	Password protection	✔
Storage media *	SSD	Password protection type	BIOS, Power on, User
Optical drive type *	✘	Product type *	Workstation
Number of storage drives installed	1	<b>Software</b>	
Total SSDs capacity	512 GB	Operating system installed *	Windows 11 Pro
Number of SSDs installed	1		HP PC Hardware Diagnostics UEFI; HP Support Assistant; HP PC Hardware Diagnostics Windows;
SSD capacity	512 GB	Pre-installed software	ZCentral Remote Boost; HP Image Assistant; HP Manageability Integration Kit; Performance Advisor 3.0
SSD memory type	TLC		
SSD interface	PCI Express 4.0	<b>Brand-specific features</b>	
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
<b>Graphics</b>		HP Security 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)
Discrete graphics card *	✔	HP Management tools	
Discrete GPU manufacturer	NVIDIA	HP GTIN (EAN/UPC)	197961448023
On-board graphics card *	✔	HP segment	Business
Discrete graphics card model *	NVIDIA RTX A2000	<b>Power</b>	
Discrete graphics card memory	12 GB	Power supply *	700 W
Discrete graphics memory type	GDDR6	Power supply input voltage	100 - 240 V
Number of discrete graphics cards	1	Power supply input frequency	50 - 60 Hz
On-board GPU manufacturer	Intel	<b>Weight &amp; dimensions</b>	
On-board graphics card family	Intel® UHD Graphics	Width *	356 mm
On-board graphics card model *	Intel UHD Graphics 770	Depth *	169 mm
<b>Network</b>		Height *	385 mm
Ethernet LAN *	✔	Weight *	7.2 kg
Ethernet LAN data rates	10,1000,100 Mbit/s	Package width	518 mm
Wi-Fi *	✘	Package depth	295 mm
		Package height	490 mm
		<b>Packaging content</b>	
		Display included *	✘
		Mouse included	✔
		Keyboard included	✔
		Keyboard connectivity	Wired
		<b>Logistics data</b>	
		Harmonized System (HS) code	8471500000



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