



# HP Z2 Tower G9 Intel® Core™ i9 i9-13900K 32 GB DDR5-SDRAM 1 TB SSD NVIDIA RTX A2000 Windows 11 Pro Workstation Black

Brand : HP

Product code: 98U20ET

Product name : Z2 Tower G9

- Intel® Core™ i9-13900K (up to 5.8 GHz with Intel® Turbo Boost Technology, 36 MB L3 cache, 24 cores, 32 threads)
  - Windows 11 Pro
  - NVIDIA RTX™ A2000 (12 GB GDDR6 dedicated)
  - 32 GB memory; 1 TB SSD storage
- Z2 Tower G9 Workstation, Windows 11 Pro, Intel® Core™ i9, 32GB RAM, 1TB 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.

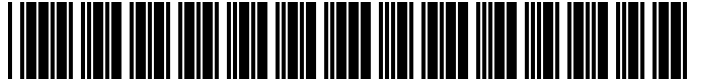


Processor		Network	
Processor manufacturer *	Intel	Ethernet LAN *	✓
Processor family *	Intel® Core™ i9	Wi-Fi *	✗
Processor generation	13th gen Intel® Core™ i9	<b>Ports &amp; interfaces</b>	
Processor model *	i9-13900K	USB 2.0 ports quantity *	5
Processor cores	24	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
Processor threads	32	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	6
Processor boost frequency	5.8 GHz	DisplayPorts quantity	2
Performance cores	8	DisplayPort version	1.4
Efficient cores	16	Ethernet LAN (RJ-45) ports	1
Performance-core Max Turbo Frequency	5.4 GHz	Line-out	✓
Efficient-core Max Turbo Frequency	4.3 GHz	Line-in	✓
Performance-core base frequency	3 GHz	Combo headphone/mic port	✓
Efficient-core base frequency	2.2 GHz	<b>Expansion slots</b>	
Processor cache	36 MB	PCI Express x1 (Gen 3.x) slots	2
Processor cache type	L3	PCI Express x4 (Gen 3.x) slots	2
Processor base power	125 W	PCI Express x16 (Gen 5.x) slots	1
Maximum turbo power	253 W	<b>Design</b>	
<b>Memory</b>		Chassis type *	Tower
Internal memory *	32 GB	Number of 3.5" bays	2
Maximum internal memory *	128 GB	Number of 5.25" bays	1
Internal memory type	DDR5-SDRAM	Number of 2.5" bays	1
Memory layout (slots x size)	2 x 16 GB		
Memory slots	4x DIMM		

<b>Memory</b>		<b>Design</b>	
Memory clock speed	4800 MHz	Product colour *	Black
ECC	✓	Introduction year	2024
<b>Storage</b>		<b>Performance</b>	
Total storage capacity *	1 TB	Market positioning	Performance
Storage media *	SSD	Audio chip	Realtek ALC3205-VA2-CG
Optical drive type *	✗	Built-in speaker(s)	✓
Number of storage drives installed	1	Number of speakers	1
Total SSDs capacity	1 TB	Password protection	✓
Number of SSDs installed	1	Password protection type	BIOS, Power on, User
SSD capacity	1 TB	Product type *	Workstation
SSD memory type	TLC	<b>Software</b>	
SSD interface	PCI Express 4.0	Operating system installed *	Windows 11 Pro
NVMe	✓	<b>Brand-specific features</b>	
SSD form factor	M.2	HP Support Assistant	✓
<b>Graphics</b>			HP Secure Erase; HP Sure Click; HP BIOSphere Gen6; HP Sure Admin; HP Client Security Manager Gen6; HP Sure Start Gen7; HP Sure Recover Gen4; HP Sure Sense Gen2; HP Sure Run Gen5
Discrete graphics card *	✓	HP Security tools	
Discrete GPU manufacturer	NVIDIA		HP Driver Packs; HP Management Integration Kit for Microsoft System Center Configuration Management Gen4
On-board graphics card *	✓	HP Management tools	
Discrete graphics card model *	NVIDIA RTX A2000	HP Software provided	HP PC Hardware Diagnostics UEFI; HP PC Hardware Diagnostics Windows; HP Image Assistant; HP Manageability Integration Kit
Discrete graphics card memory	12 GB	HP GTIN (EAN/UPC)	198122383382
Discrete graphics memory type	GDDR6	HP segment	Business
Number of discrete graphics cards	1	<b>Power</b>	
On-board GPU manufacturer	Intel	Power supply *	450 W
On-board graphics card family	Intel® UHD Graphics	<b>Weight &amp; dimensions</b>	
On-board graphics card model *	Intel® UHD Graphics	Width *	356 mm
		Depth *	169 mm
		Height *	385 mm
		Weight *	7.2 kg
		Package width	518 mm
		Package depth	295 mm
		Package height	490 mm
		<b>Packaging content</b>	
		Display included *	✗



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