



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

**Brand :** HP

**Product code:** 5F1A1EA

**Product name :** Z2 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		Ports & interfaces	
Processor manufacturer *	Intel	DisplayPorts quantity	2
Processor family *	Intel® Core™ i9	DisplayPort version	1.4
Processor generation	13th gen Intel® Core™ i9	Ethernet LAN (RJ-45) ports	1
Processor model *	i9-13900K	Line-out	✓
Processor cores	24	Line-in	✓
Processor threads	32	<b>Expansion slots</b>	
Processor boost frequency	5.8 GHz	PCI Express x1 (Gen 3.x) slots	2
Processor frequency *	3 GHz	PCI Express x4 (Gen 3.x) slots	2
Processor cache	36 MB	PCI Express x16 (Gen 5.x) slots	1
Processor cache type	L3	<b>Design</b>	
Bus type	DMI4	Chassis type *	Tower
<b>Memory</b>		Placement supported	Vertical
Internal memory *	32 GB	Number of 3.5" bays	2
Internal memory type	DDR5-SDRAM	Number of 2.5" bays	1
Memory layout (slots x size)	2 x 16 GB	Product colour *	Black
Memory slots	4x DIMM	Country of origin	China
Memory clock speed	4800 MHz	<b>Performance</b>	
ECC	✓	Market positioning	Performance
<b>Storage</b>		Audio chip	Realtek ALC3205-VA2-CG
Total storage capacity *	1 TB	Built-in speaker(s)	✓
Storage media *	SSD	Number of speakers	1
Number of storage drives installed	1	Password protection	✓
Total SSDs capacity	1 TB	Password protection type	BIOS, Power on, User

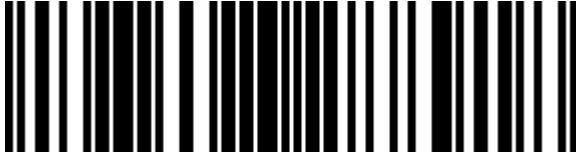
<b>Storage</b>		<b>Performance</b>	
Number of SSDs installed	1	Product type *	Workstation
SSD capacity	1 TB	<b>Software</b>	
SSD memory type	TLC	Operating system installed *	Windows 11 Pro
SSD interface	PCI Express	Pre-installed software	HP PC Hardware Diagnostics UEFI;
NVMe	✓		HP Support Assistant; HP PC
Card reader integrated	✓		Hardware Diagnostics Windows;
<b>Graphics</b>			ZCentral Remote Boost; HP Image
Discrete graphics card *	✓		Assistant; HP Manageability
Discrete GPU manufacturer	NVIDIA		Integration Kit; Performance Advisor
On-board graphics card *	✓		3.0
Discrete graphics card model *	NVIDIA RTX A2000	<b>Processor special features</b>	
Discrete graphics memory type	GDDR6	CPU configuration (max)	1
Discrete graphics card memory	12 GB	<b>Brand-specific features</b>	
Number of discrete graphics cards	1	HP Support Assistant	✓
On-board GPU manufacturer	Intel	HP Security tools	HP Secure Erase; HP Sure Click; HP
On-board graphics card family	Intel® UHD Graphics		BIOSphere Gen6; HP Sure Admin;
On-board graphics card model *	Intel® UHD Graphics		Hood Sensor Optional Kit; HP Client
<b>Network</b>			Security Manager Gen6; HP Sure
Ethernet LAN *	✓		Start Gen7; HP Sure Recover Gen4;
Wi-Fi *	✗		HP Sure Sense Gen2; HP Sure Run
<b>Ports &amp; interfaces</b>			Gen5
USB 2.0 ports quantity *	5	HP Management tools	HP Driver Packs; HP Management
USB 3.2 Gen 1 (3.1 Gen 1) Type-A	1		Integration Kit for Microsoft System
ports quantity *			Center Configuration Management
USB 3.2 Gen 2 (3.1 Gen 2) Type-A	6	HP GTIN (EAN/UPC)	Gen4; HP System Software Manager
ports quantity *		HP segment	(download); HP BIOS Configuration
			Utility (download)
			197498288918
			Business
		<b>Power</b>	
		Power supply *	450 W
		Power supply input voltage	100 - 240 V
		Power supply input frequency	50 - 60 Hz
		<b>Weight &amp; dimensions</b>	
		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 *	✗
		Mouse included	✓
		<b>Logistics data</b>	
		Harmonized System (HS) code	8471500000



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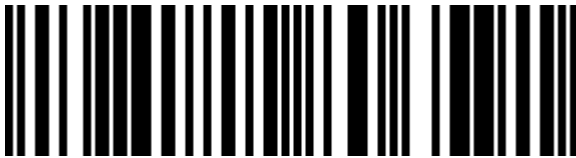
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