



HP Z2 G9 Intel® Core™ i9 i9-13900K 32 GB DDR5-SDRAM 1 TB SSD NVIDIA RTX A4000 Windows 11 Pro Tower Workstation Black

Brand : HP

Product code: 5F174EA

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™ A4000 (16 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™ A4000

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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	Combo headphone/mic port	✓
Processor family *	Intel® Core™ i9	Expansion slots	
Processor generation	13th gen Intel® Core™ i9	PCI Express x1 (Gen 3.x) slots	2
Processor model *	i9-13900K	PCI Express x4 (Gen 3.x) slots	2
Processor cores	24	PCI Express x16 (Gen 5.x) slots	1
Processor threads	32	Design	
Processor boost frequency	5.8 GHz	Chassis type *	Tower
Performance cores	8	Number of 3.5" bays	2
Efficient cores	16	Number of 5.25" bays	1
Performance-core base frequency	3 GHz	Number of 2.5" bays	1
Efficient-core base frequency	2.2 GHz	Product colour *	Black
Performance-core boost frequency	5.4 GHz	Performance	
Efficient-core boost frequency	4.3 GHz	Market positioning	Performance
Processor cache	36 MB	Audio chip	Realtek ALC3205-VA2-CG
Processor cache type	L3	Built-in speaker(s)	✓
Bus type	DMI4	Number of speakers	1
Memory		Password protection	✓
Internal memory *	32 GB	Password protection type	BIOS, Power on, User
Maximum internal memory *	128 GB	Product type *	Workstation
Internal memory type	DDR5-SDRAM	Software	
Memory layout (slots x size)	2 x 16 GB	Operating system installed *	Windows 11 Pro
Memory slots	4x DIMM		
Memory clock speed	4800 MHz		
ECC	✗		

Memory		Software	
Non-ECC	✓		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
Storage		Pre-installed software	
Total storage capacity *	1 TB		
Storage media *	SSD		
Optical drive type *	✗		
Number of storage drives installed	1		
Total SSDs capacity	1 TB		
Number of SSDs installed	1		
SSD capacity	1 TB		
SSD interface	PCI Express		
NVMe	✓		
SSD form factor	M.2		
Graphics		Processor special features	
Discrete graphics card *	✓	Intel 64	✓
Discrete GPU manufacturer	NVIDIA	Enhanced Intel SpeedStep Technology	✓
On-board graphics card *	✓	Embedded options available	✗
Discrete graphics card model *	NVIDIA RTX A4000	Intel VT-x with Extended Page Tables (EPT)	✓
Discrete graphics card memory	16 GB	Idle States	✓
Discrete graphics memory type	GDDR6	Intel Stable Image Platform Program (SIPP)	✓
Number of discrete graphics cards	1	Intel Trusted Execution Technology	✓
On-board GPU manufacturer	Intel	Execute Disable Bit	✓
On-board graphics card family	Intel® UHD Graphics	Intel Flex Memory Access	✓
On-board graphics card model *	Intel® UHD Graphics	CPU configuration (max)	1
Network		Intel Virtualization Technology for Directed I/O (VT-d)	✓
Ethernet LAN *	✓	Intel Virtualization Technology (VT-x)	✓
Wi-Fi *	✗	Brand-specific features	
Ports & interfaces		HP Support Assistant	✓
USB 2.0 ports quantity *	3	HP Security tools	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
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1	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)
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	6	HP Software provided	HP PC Hardware Diagnostics UEFI; HP PC Hardware Diagnostics Windows; HP Image Assistant; HP Manageability Integration Kit
DisplayPorts quantity	2	HP GTIN (EAN/UPC)	197498079905
DisplayPort version	1.4	HP segment	Business
Ethernet LAN (RJ-45) ports	1	Power	
Line-out	✓	Power supply *	700 W
Line-in	✓	Sustainability	
		Sustainable technologies and materials	Ocean-bound plastic in speaker enclosure; 45% post-consumer recycled plastic; 25% ITE-derived closed loop plastic; Bulk packaging available; 80 Plus® Gold power supplies available; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; Ocean-bound plastic in speaker enclosure and system fan; Contains recycled metal
		Weight & dimensions	
		Width *	356 mm
		Depth *	169 mm
		Height *	385 mm
		Weight *	7.2 kg
		Package width	518 mm
		Package depth	295 mm

Weight & dimensions

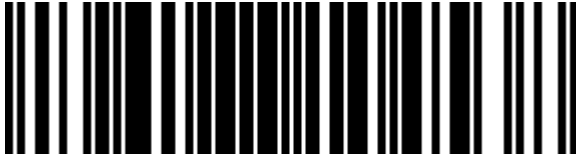
Package height	490 mm
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Packaging content

Display included *	✘
Mouse included	✔
Keyboard included	✔
Keyboard connectivity	Wired

Logistics data

Harmonized System (HS) code	8471500000
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