



HP Z2 G9 Intel® Core™ i7 i7-13700 16 GB DDR5-SDRAM 512 GB SSD NVIDIA Quadro T1000 Windows 11 Pro SFF Workstation Black



Brand : HP

Product code: 5F167EA

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® T1000 (8 GB GDDR6 dedicated)
 - 16 GB memory; 512 GB SSD storage
- Z2 Small Form Factor G9 Workstation, Windows 11 Pro, Intel® Core™ i7, 16GB RAM, 512GB SSD, T1000

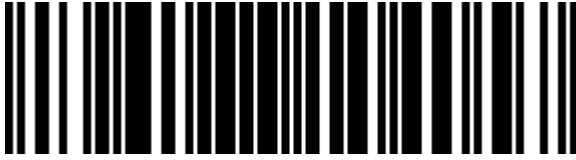
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Full size Z tower power at half the size

Get all the power of a full size tower at a fraction of the size. Re-engineered to fit full-height, full-length graphics while leaving room for upgrades and expansion, the Z2 SFF delivers high performance for your intensive workflow—from 3D design to real time ray tracing—now and in the future.

Processor		Ports & interfaces	
Processor manufacturer *	Intel	USB 3.2 Gen 2x2 Type-C ports quantity	1
Processor family *	Intel® Core™ i7	USB Power Delivery	✓
Processor generation	13th gen Intel® Core™ i7	USB Type-C DisplayPort Alternate Mode	✓
Processor model *	i7-13700	DisplayPorts quantity	2
Processor cores	16	DisplayPort version	1.4
Processor threads	24	Ethernet LAN (RJ-45) ports	1
Processor boost frequency	5.2 GHz	Line-out	✓
Performance-core Max Turbo Frequency	5.1 GHz	Line-in	✓
Efficient-core Max Turbo Frequency	4.1 GHz	Expansion slots	
Performance-core base frequency	2.1 GHz	PCI Express x1 (Gen 3.x) slots	1
Efficient-core base frequency	1.5 GHz	PCI Express x4 (Gen 3.x) slots	2
Processor cache	30 MB	PCI Express x16 (Gen 4.x) slots	3
Processor cache type	L3	Design	
Bus type	DMI4	Chassis type *	SFF
Memory		Number of 3.5" bays	1
Internal memory *	16 GB	Number of 2.5" bays	1
Maximum internal memory *	128 GB	Product colour *	Black
Internal memory type	DDR5-SDRAM	Performance	
Memory layout (slots x size)	1 x 16 GB	Market positioning	Performance
Memory clock speed	4800 MHz	Audio chip	Realtek ALC3252
ECC	✗	Built-in speaker(s)	✓
Non-ECC	✓	Number of speakers	1
Storage		Password protection	✓
Total storage capacity *	512 GB	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	512 GB		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	512 GB		
SSD memory type	TLC		
SSD interface	PCI Express		
NVMe	✓		
SSD form factor	M.2		

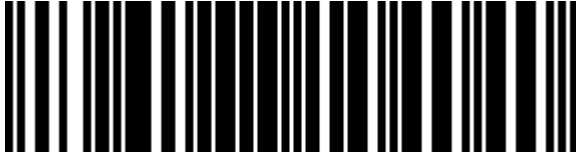
Graphics		Processor special features	
Discrete graphics card *	✓	CPU configuration (max)	1
Discrete GPU manufacturer	NVIDIA	Brand-specific features	
On-board graphics card *	✓	HP Support Assistant	✓
Discrete graphics card model *	NVIDIA Quadro T1000		HP Secure Erase; HP Sure Click; HP BIOSphere Gen6; 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
Discrete graphics card memory	8 GB	HP Security tools	
Discrete graphics memory type	GDDR6		
Number of discrete graphics cards	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)
On-board GPU manufacturer	Intel		
On-board graphics card family	Intel® UHD Graphics	HP Software provided	HP PC Hardware Diagnostics UEFI; HP PC Hardware Diagnostics Windows; HP Image Assistant; HP Manageability Integration Kit
On-board graphics card model *	Intel® UHD Graphics	HP GTIN (EAN/UPC)	196188104156
Network		HP segment	Business
Ethernet LAN *	✓	Power	
Wi-Fi *	✗	Power supply *	450 W
Ports & interfaces		Sustainability	
USB 2.0 ports quantity *	3	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
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1	Weight & dimensions	
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	6	Width *	384 mm
		Depth *	308 mm
		Height *	100 mm
		Weight *	5.9 kg
		Package width	100 mm
		Package depth	384 mm
		Package height	308 mm
		Package weight	5 kg
		Packaging content	
		Display included *	✗
		Mouse included	✓
		Keyboard included	✓
		Logistics data	
		Harmonized System (HS) code	8471500000
		Other features	
		Keyboard type	USB



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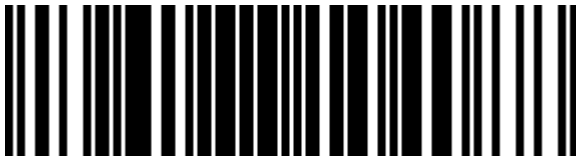
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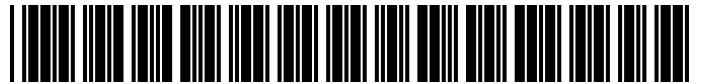
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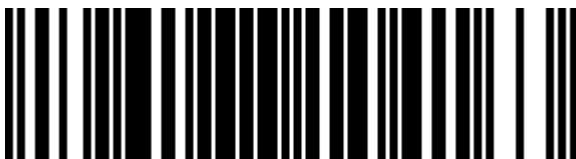
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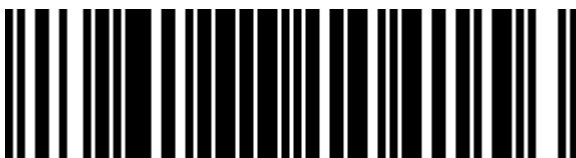
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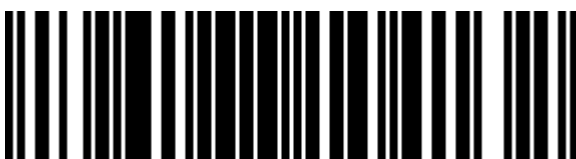
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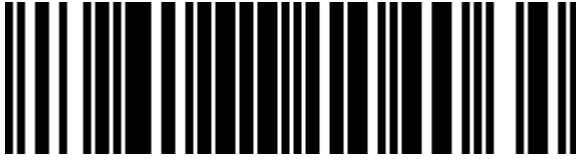
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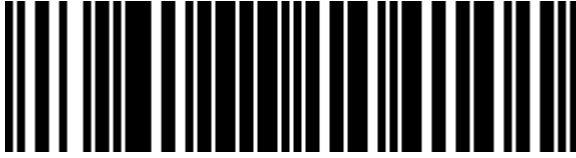
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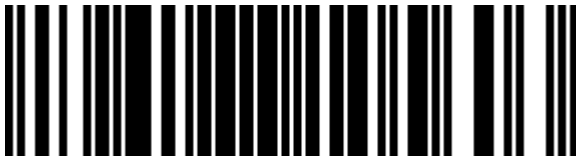
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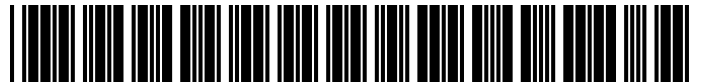
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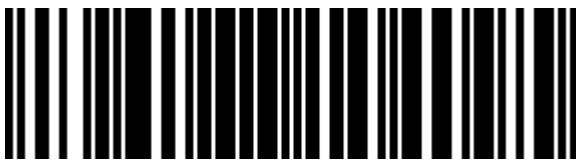
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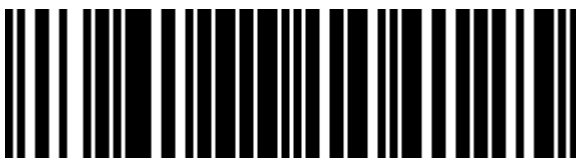
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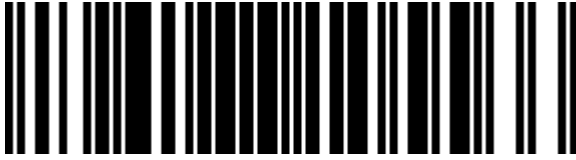
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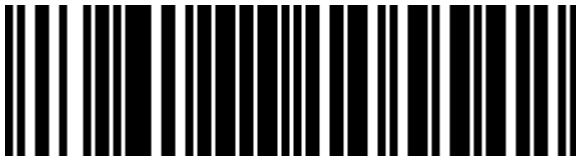
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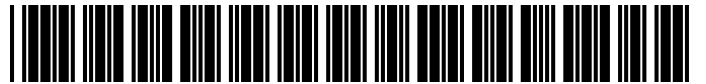
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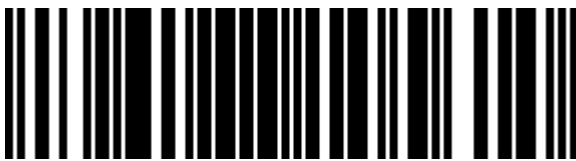
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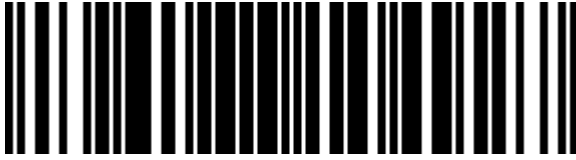
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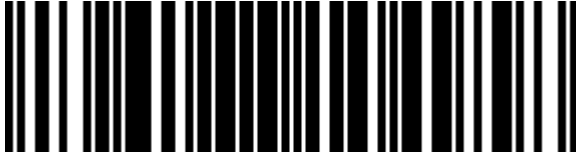
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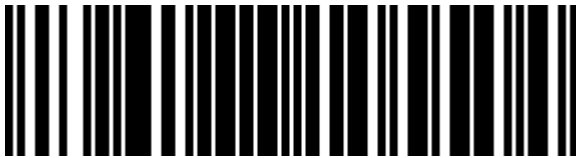
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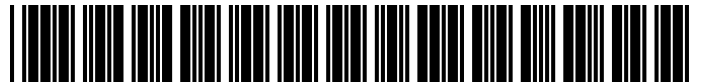
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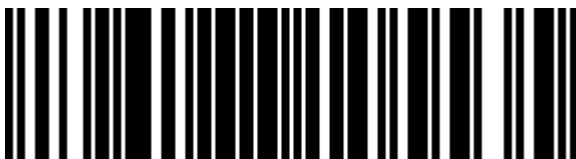
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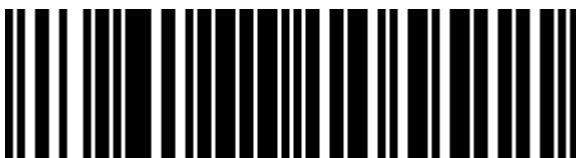
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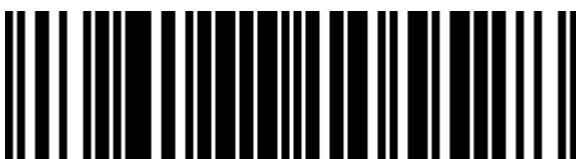
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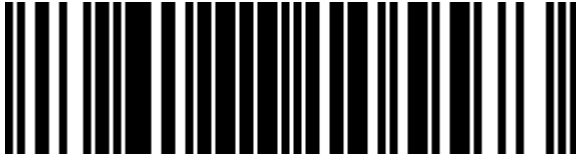
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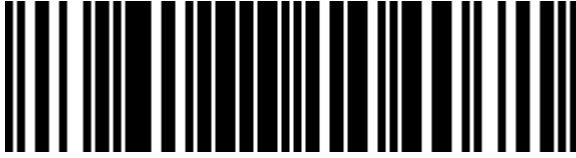
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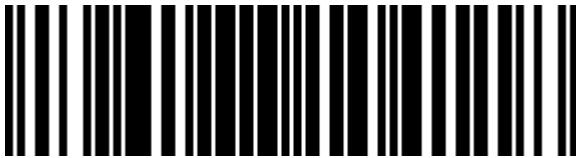
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