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 name : Z2 G9

Product code: 5F167EA

- 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
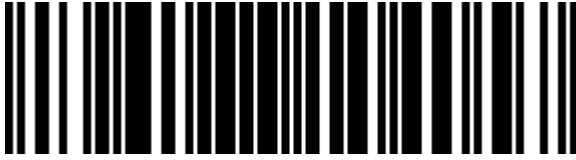Z2 Small Form Factor G9 Workstation, Windows 11 Pro, Intel® Core™ i7, 16GB RAM, 512GB SSD, T1000

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

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

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i7
Processor generation	13th gen Intel® Core™ i7
Processor model *	i7-13700
Processor cores	16
Processor threads	24
Processor boost frequency	5.2 GHz
Performance-core Max Turbo Frequency	5.1 GHz
Efficient-core Max Turbo Frequency	4.1 GHz
Performance-core base frequency	2.1 GHz
Efficient-core base frequency	1.5 GHz
Processor cache	30 MB
Processor cache type	L3
Bus type	DMI4

Memory

Internal memory *	16 GB
Maximum internal memory *	128 GB
Internal memory type	DDR5-SDRAM
Memory layout (slots x size)	1 x 16 GB
Memory clock speed	4800 MHz
ECC	✘
Non-ECC	✔

Storage

Total storage capacity *	512 GB
Storage media *	SSD
Optical drive type *	✘
Number of storage drives installed	1
Total SSDs capacity	512 GB
Number of SSDs installed	1
SSD capacity	512 GB
SSD memory type	TLC
SSD interface	PCI Express
NVMe	✔
SSD form factor	M.2

Ports & interfaces

USB 3.2 Gen 2x2 Type-C ports quantity	1
USB Power Delivery	✔
USB Type-C DisplayPort Alternate Mode	✔
DisplayPorts quantity	2
DisplayPort version	1.4
Ethernet LAN (RJ-45) ports	1
Line-out	✔
Line-in	✔

Expansion slots

PCI Express x1 (Gen 3.x) slots	1
PCI Express x4 (Gen 3.x) slots	2
PCI Express x16 (Gen 4.x) slots	3

Design

Chassis type *	SFF
Number of 3.5" bays	1
Number of 2.5" bays	1
Product colour *	Black

Performance

Market positioning	Performance
Audio chip	Realtek ALC3252
Built-in speaker(s)	✔
Number of speakers	1
Password protection	✔
Password protection type	BIOS, Power on, User
Product type *	Workstation

Software

Operating system installed *	Windows 11 Pro
Pre-installed software	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

Graphics

Discrete graphics card *	✔
Discrete GPU manufacturer	NVIDIA
On-board graphics card *	✔
Discrete graphics card model *	NVIDIA Quadro T1000
Discrete graphics card memory	8 GB
Discrete graphics memory type	GDDR6
Number of discrete graphics cards	1
On-board GPU manufacturer	Intel
On-board graphics card family	Intel® UHD Graphics
On-board graphics card model *	Intel® UHD Graphics

Network

Ethernet LAN *	✔
Wi-Fi *	✘

Ports & interfaces

USB 2.0 ports quantity *	3
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	6

Processor special features

CPU configuration (max)	1

Brand-specific features

HP Support Assistant	✔
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
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)
HP Software provided	HP PC Hardware Diagnostics UEFI; HP PC Hardware Diagnostics Windows; HP Image Assistant; HP Manageability Integration Kit
HP GTIN (EAN/UPC)	196188104156
HP segment	Business

Power

Power supply *	450 W

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 *	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

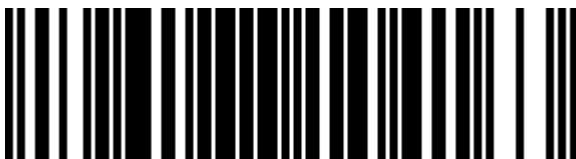0196188104057

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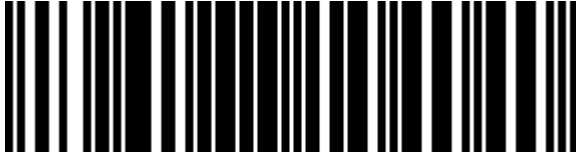
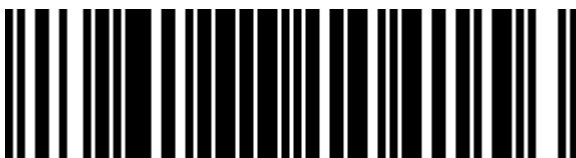0196188104040

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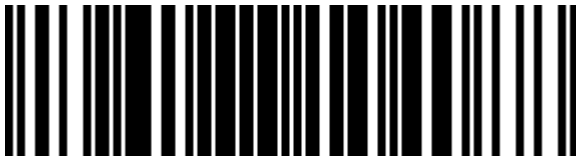
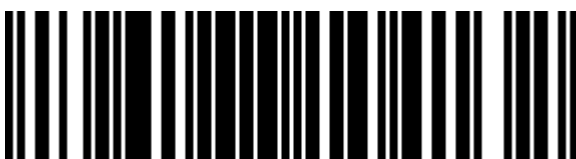0196188104088
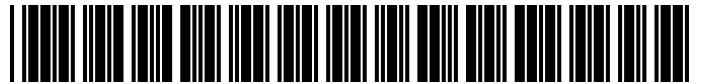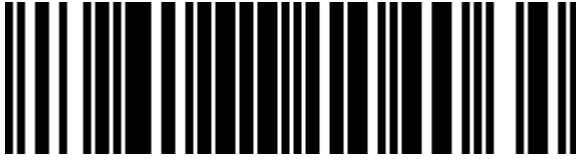
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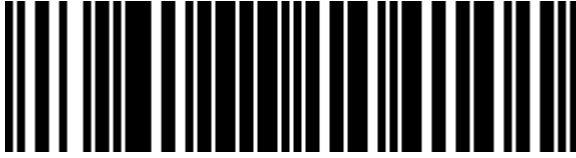0196188104163

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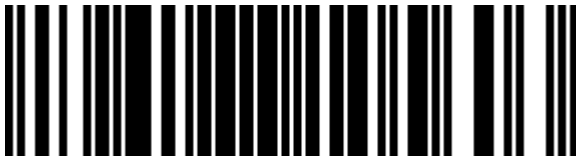0196188104156

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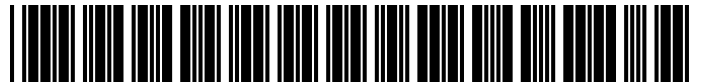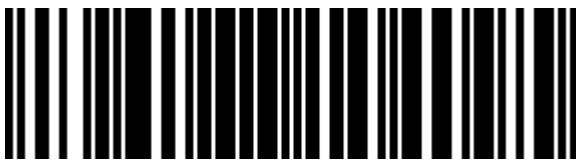0196188104132

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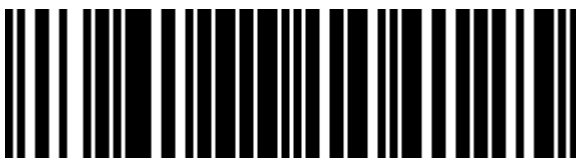0196188104064

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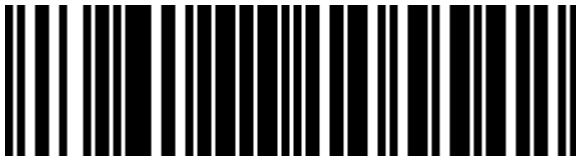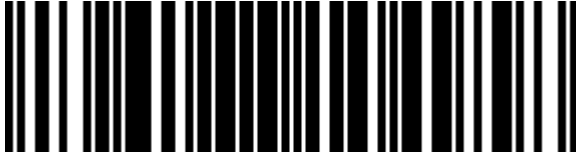||||||||| |||||||||||||||||||||||||||||||| |||
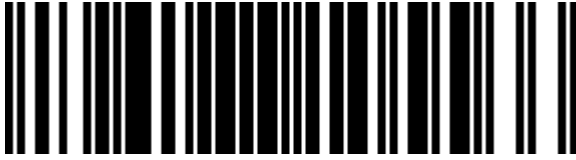
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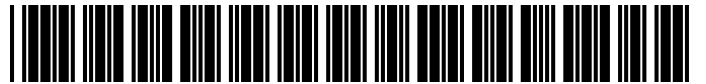
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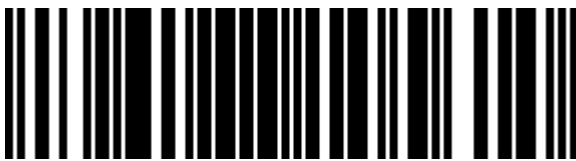
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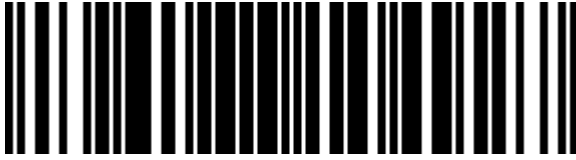
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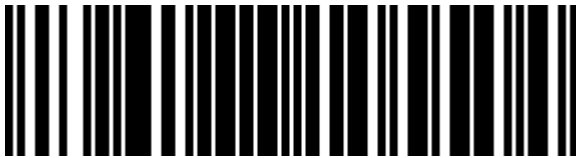
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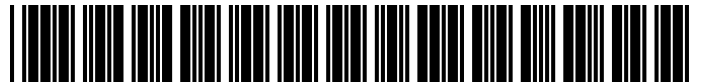
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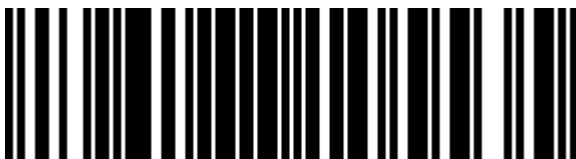
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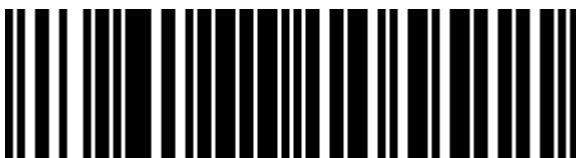
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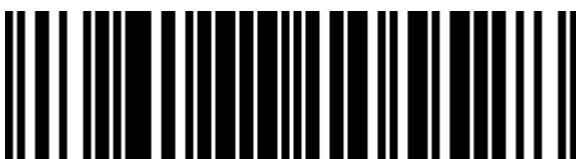
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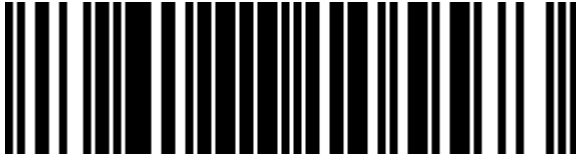
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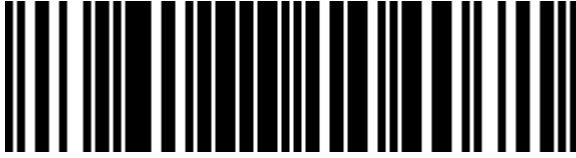
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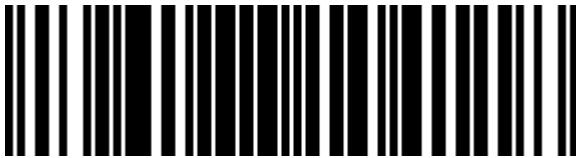
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