

## HP Z1 G9(996N4ET#UUG)

**HP Z1 G9 - Tower 1 x Core i9 i9-14900 / up to 5.8 GHz - RAM 32 GB - SSD 1 TB - NVMe - GeForce RTX 4060 - Gigabit Ethernet - Win 11 Pro - monitor: none - Smart Buy - with HP 1 year Wolf Pro Security Edition Service - with HP Wolf Pro Security Edition (1 year)**



The HP Z1 Tower G9, HP's most affordable entry desktop workstation, brings designers and editors ISV-certified hardware and industry-leading security for professional workflows.

## Key Selling Points

- Intel Core i9 processor for high-end performance
- DDR5 SDRAM for faster memory operations
- PCI Express SSD for quick data access
- Trusted Platform Module (TPM 2.0) for enhanced security
- Supports Ethernet, Fast Ethernet, and Gigabit Ethernet for versatile networking options

## Product Features

### Powerful performance

Equipped with an Intel Core i9 processor and DDR5 SDRAM, the HP Z1 G9 workstation delivers exceptional speed and responsiveness for demanding applications.

### Advanced connectivity

Featuring comprehensive networking capabilities including Ethernet, Fast Ethernet, and Gigabit Ethernet, alongside CTIA and OMTP headset support, this workstation ensures seamless connectivity and collaboration.

### Enhanced security

With the Trusted Platform Module (TPM 2.0) security chip, the HP Z1 G9 provides robust security features to protect sensitive data and prevent unauthorized access.

### High-speed storage

The workstation comes with a high-performance SSD utilizing the PCI Express interface, offering rapid data access and boot times.

### Superior graphics

Integrated Intel UHD Graphics with GDDR6 SDRAM and support for DisplayPort connections deliver crisp, clear visuals for professional-grade content creation and editing.

## Main Specifications

Product Description	HP Z1 G9 - tower Core i9 i9-14900 2 GHz - 32 GB - SSD 1 TB - with HP Wolf Pro Security Edition (1 year)
Type	Workstation - tower
Bundled Services	HP 1 year Wolf Pro Security Edition Service
Localisation	Language: French, Dutch / region: Belgium
Processor	1 x Intel Core i9 (14th Gen) i9-14900 / 2 GHz (up to 5.8 GHz, (24-core)
Processor Main Features	Hyper-Threading Technology, Intel Turbo Boost Technology 2, Intel Smart Cache, Intel Turbo Boost Max 3.0
Cache Memory	36 MB L3 Cache
Cache Per Processor	36 MB
RAM	32 GB (installed) / 128 GB (max) - DDR5 SDRAM
Storage Controller	SATA/NVMe (SATA 6Gb/s / PCIe 4.0 x4 (NVMe))
Hard Drive	SSD 1 TB - PCI Express - M.2 2280 - NVMe Express (NVMe)

Optical Storage	No optical drive
Card Reader	5 in 1
Multi-GPU Configuration	1 single GPU card / integrated GPU
Graphics Controller	NVIDIA GeForce RTX 4060 / Intel UHD Graphics 770
Video Memory	8 GB GDDR6 SDRAM
Networking	1GbE
Power	(50/60 Hz)
OS Provided	Windows 11 Pro
Software Included	HP Support Assistant, Windows Defender, HP BIOS Configuration Utility (free download), HP Client Catalogue (free download), HP Driver Packs, HP Setup Integrated OOBE, HP Image Assistant (free download), HP JumpStart, HP System Software Manager (free download), HP Sure Click, HP Privacy Settings, HP Cloud Recovery, HP Sure Sense, HP Client Management Script Library (free download), Ivanti Management Suite (free download), HP Desktop Support Utilities, HP Tamper Lock, HP Noise Cancellation Software, HP Client Security Manager Gen7, HP SureRun Gen4, HP Sure Recover Gen4, HP Management Integration Kit for Microsoft System Center Configuration Manager Gen 4, HP Sure Start Gen7
Dimensions (WxDxH)	15.5 cm x 30.8 cm x 33.7 cm
Weight	5.7 kg
Manufacturer Selling Program	HP Smart Buy
Environmental Standards	ENERGY STAR Qualified
Manufacturer Warranty	Limited warranty - parts and labour - 3 years - on-site
Bundled with	HP Wolf Pro Security Edition (1 year)

## Extended Specification

### General

Type	Workstation
Bundled Services	HP 1 year Wolf Pro Security Edition Service
Product Form Factor	Tower
Built-in Devices	Speaker
Embedded Security	Trusted Platform Module (TPM 2.0) Security Chip
Localisation	Language: French, Dutch / region: Belgium
Bundled with	HP Wolf Pro Security Edition (1 year)

### Expansion / Connectivity

Bays	1 (total) / 1 (free) x external 5.25" ¦ 1 (total) / 1 (free) x external 5.25" Slim Line ¦ 2 (total) / 2 (free) x internal 3.5" ¦ 1 (total) / 1 (free) x internal 2.5"
Slots	1 (total) / 0 (free) x PCIe 4.0 x16 ¦ 1 (total) / 1 (free) x PCIe 3.0 x4 ¦ 1 (total) / 1 (free) x PCIe 3.0 x1 ¦ 1 (total) / 1 (free) x M.2 Card - 2230 ¦ 2 (total) / 1 (free) x M.2 Card - 2280 ¦ 1 (total) / 1 (free) x Flex I/O
Interfaces	1 x headphones/microphone (1 in front) (CTIA and OMTP headset support) ¦ 3 x USB 3.2 Gen 1 (2 front, 1 rear) (one of them is fast-charging) ¦ 4 x USB 3.2 Gen 2 (2 front, 2 rear) ¦ 1 x USB-C 3.2 Gen 2x2 (charging) ¦ 1 x audio line-out ¦ 5 x DisplayPort 1.4 ¦ 3 x USB 2.0 ¦ 1 x LAN (Gigabit Ethernet) ¦ 3 x HDMI

### Manufacturer Warranty

Service & Support	Limited warranty - parts and labour - 3 years - on-site
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### RAM

Installed Size	32 GB (installed) / 128 GB (max)
Technology	DDR5 SDRAM
Effective Memory Speed	4800 MHz
Rated Memory Speed	4800 MHz
Form Factor	DIMM 288-pin

Slots	4 (Total) / 2 (empty)
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Features	Unbuffered
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Configuration Features	2 x 16 GB
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### Networking

Ethernet Controller	Intel I219-LM
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Data Link Protocol	Ethernet, Fast Ethernet, Gigabit Ethernet
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Features	Wake on LAN (WoL), auto-uplink (auto MDI/MDI-X), PXE 2.1 support, Intel Active Management Technology (AMT) 12
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### Miscellaneous

Manufacturer Selling Program	HP Smart Buy
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### Power

Device Type	Power supply
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Voltage Required	AC 90-264 V (50/60 Hz)
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Power Provided	550 Watt
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80 PLUS Certification	80 PLUS Platinum
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Efficiency	92%
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Power Factor Correction	Yes (active)
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### Storage Controller

Type	1 x SATA/NVMe
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Controller Interface Type	SATA 6Gb/s / PCIe 4.0 x4 (NVMe)
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### Cache Memory

Installed Size	L3 Cache - 36 MB
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Cache Per Processor	36 MB
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### Optical Storage

Type	No optical drive
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### Operating System / Software

OS Provided	Windows 11 Pro Dutch / English / French / German
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Software	HP Support Assistant, Windows Defender, HP BIOS Configuration Utility (free download), HP Client Catalogue (free download), HP Driver Packs, HP Setup Integrated OOBE, HP Image Assistant (free download), HP JumpStart, HP System Software Manager (free download), HP Sure Click, HP Privacy Settings, HP Cloud Recovery, HP Sure Sense, HP Client Management Script Library (free download), Ivanti Management Suite (free download), HP Desktop Support Utilities, HP Tamper Lock, HP Noise Cancellation Software, HP Client Security Manager Gen7, HP SureRun Gen4, HP Sure Recover Gen4, HP Management Integration Kit for Microsoft System Center Configuration Manager Gen 4, HP Sure Start Gen7
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### Monitor

Monitor Type	None.
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### Graphics Controller

Multi-GPU Configuration	1 single GPU card / integrated GPU
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Graphics Processor	NVIDIA GeForce RTX 4060 / Intel UHD Graphics 770
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Video Memory	8 GB GDDR6 SDRAM
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Video Interfaces	HDMI, DisplayPort
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## Audio Output

Compliant Standards	High Definition Audio
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## Hard Drive

Type	SSD - M.2 2280
Capacity	1 x 1 TB
Interface Type	PCI Express
Features	NVM Express (NVMe)

## Input Device

Type	Mouse
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## Dimensions & Weight

Width	15.5 cm
Depth	30.8 cm
Height	33.7 cm
Weight	5.7 kg

## Dimensions & Weight (Shipping)

Shipping Width	28.7 cm
Shipping Depth	40 cm
Shipping Height	49.9 cm
Shipping Weight	9.24 kg

## Card Reader

Type	5 in 1 card reader
Supported Flash Memory Cards	SD Memory Card, SDHC Memory Card, SDXC Memory Card, SDHC UHS-I Memory Card, SDHC UHS-II Memory Card

## Mouse

Mouse Name	HP 320M
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## Processor / Chipset

CPU	Intel Core i9 (14th Gen) i9-14900
Clock Speed	2 GHz (P-core) / 1.5 GHz (E-core)
Max Turbo Speed	5.8 GHz (P-core) / 4.3 GHz (E-core)
Number of Cores	24-core
CPU Qty	1
Max CPU Qty	1
L2 cache	32 MB
CPU Upgradability	Upgradable
Processor Main Features	Hyper-Threading Technology, Intel Turbo Boost Technology 2, Intel Smart Cache, Intel Turbo Boost Max 3.0

## Sustainability Information

ENERGY STAR Certified	Yes
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