HP Z1 G9(996N2ET#UUG)

HP Z1 G9 - Tower 1 x Core i7 i7-14700 / up to 5.4 GHz - RAM 16 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

Powered by Intel Core i7 processor for robust performance
Upgradable with four DDR5 SDRAM slots for increased memory capacity
Multiple expansion slots including PCIe 4.0 x16 for versatile configurability
Enhanced security features with Trusted Platform Module (TPM 2.0) security chip
Wide range of connectivity options for seamless integration

Product Features

Performance
The HP Z1 G9 is equipped with an Intel Core i7 processor, ensuring that users can execute demanding tasks efficiently. This processor enables faster processing speeds, allowing for smoother multitasking and responsiveness in various applications.

Upgrade options
With four DDR5 SDRAM slots, the system allows for significant memory upgrades to handle increased workloads. This feature facilitates personalized configurations, making it adaptable for a wide range of professional applications.

Connectivity
The workstation includes several connectivity options such as USB 2.0, USB-C 3.2 Gen 2x2, and audio interface for headphones/microphone, ensuring compatibility with a wide range of peripherals and enhancing user experience.

Networking capabilities
Featuring support for Fast Ethernet and Gigabit Ethernet, along with Wake on LAN (WoL) and PXE 2.1 support, the HP Z1 G9 provides reliable network connectivity, making it ideal for busy work environments.

Security
The inclusion of a Trusted Platform Module (TPM 2.0) security chip offers enhanced security measures, safeguarding sensitive data and ensuring secure operations for professional workloads.

Main Specifications

Product Description	HP Z1 G9 - tower Core i7 i7-14700 2 GHz - 16 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 i7 (14th Gen) i7-14700 / 2 GHz (up to 5.4 GHz, (20-core)
Processor Main Features	Hyper-Threading Technology, Intel Turbo Boost Technology 2, Intel Smart Cache, Intel Turbo Boost Max 3.0
Cache Memory	33 MB L3 Cache
Cache Per Processor	33 MB
RAM	16 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 - NVM 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

RAM

Installed Size	16 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) / 3 (empty)
Features	Unbuffered
Configuration Features	1 x 16 GB

Networking

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

Miscellaneous

Manufacturer Selling Program	HP Smart Buy

Power

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

Storage Controller

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

Cache Memory

Installed Size	L3 Cache - 33 MB
Cache Per Processor	33 MB

Optical Storage

Type	No optical drive

Operating System / Software

OS Provided	Windows 11 Pro Dutch / English / French / German
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

Monitor

Monitor Type	None.

Graphics Controller

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

Audio Output

Compliant Standards	High Definition Audio

Hard Drive

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

Input Device

Type	Mouse

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

Processor / Chipset

CPU	Intel Core i7 (14th Gen) i7-14700
Clock Speed	2 GHz (P-core) / 1.5 GHz (E-core)
Max Turbo Speed	5.4 GHz (P-core) / 4.2 GHz (E-core)
Number of Cores	20-core
CPU Qty	1
Max CPU Qty	1
L2 cache	28 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