



HP Z1 Tower G1i Intel Core Ultra 9 285 32 GB DDR5-SDRAM 1 TB SSD Windows 11 Pro Workstation AI Workstation, AI PC Black

Brand : HP

Product family: Z1

Product code: B76RLET

Product name : Z1 Tower G1i

- Intel Core™ Ultra 9 285 (up to 5.6 GHz with Intel Turbo Boost Technology, 36 MB L3 cache, 24 cores, 24 threads)
 - Windows 11 Pro
 - Intel Graphics
 - 32 GB DDR5-5600 MT/s (1 x 32 GB), 1 TB PCIe Gen4 NVMe™ M.2 SSD
- Z1 Tower G1i Desktop PC, Windows 11 Pro, Intel Core™ Ultra 9, 32GB RAM, 1TB SSD, Black, AI Workstation; AI PC

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The most affordable HP Z desktop workstation

Workstation performance is now within reach with a tower built for designing, editing, and gaming. Go beyond a commercial PC with the HP Z1 Tower, delivering pro-level, expandable performance certified for pro-apps, with support for high-end graphics.



Processor		Ports & interfaces	
Processor manufacturer *	Intel	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Processor family *	Intel Core Ultra 9	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	4
Processor generation	Intel Core Ultra (Series 2)	USB 3.2 Gen 2x2 Type-C ports quantity	2
Processor model *	285	DisplayPorts quantity	2
Processor cores	24	DisplayPort version	2.1
Processor threads	24	HDMI ports quantity *	1
Processor boost frequency	5.6 GHz	HDMI version	2.1
Performance cores	8	Ethernet LAN (RJ-45) ports	1
Efficient cores	16	Combo headphone/mic port	✓
Performance-core Max Turbo Frequency	5.4 GHz	Line-out	✓
Efficient-core Max Turbo Frequency	4.6 GHz	Line-in	✓
Performance-core base frequency	2.5 GHz	Microphone in	✓
Efficient-core base frequency	1.9 GHz		
Processor cache	36 MB	Expansion slots	
Processor cache type	L3	Number of 3.5" bays	2
Processor base power	65 W	PCI Express x1 (Gen 3.x) slots	2
Maximum turbo power	182 W	PCI Express x16 (Gen 5.x) slots	1
Neural processor unit (NPU)		Power	
Neural processor unit (NPU)	Intel AI Boost	Power supply *	500 W
Sparsity support	✓	Power supply input voltage	100 - 240 V
Windows Studio effects support	✓	Power supply input frequency	50/60 Hz
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN		

Neural processor unit (NPU)		Design	
Total processor performance up to	36 TOPs	Chassis type *	Tower
NPU performance up to	13 TOPs	Colour name	Black
GPU performance up to	8 TOPs	Placement supported	Vertical
Memory		Product colour *	Black
Internal memory *	32 GB	Intel® vPro™ Platform Eligibility	✓
Maximum internal memory *	32 GB	Introduction year	2025
Internal memory type	DDR5-SDRAM	Country of origin	Czech Republic
Memory layout (slots x size)	1 x 32 GB	Software	
Memory slots	4x DIMM	Operating system installed *	Windows 11 Pro
Memory clock speed	5600 MHz	Processor special features	
Memory module type	UDIMM	Intel® Turbo Boost Technology	✓
Non-ECC	✓	Display	
Memory data transfer rate	5600 MT/s	Display included *	✗
Storage		Brand-specific features	
Total storage capacity *	1 TB	HP Support Assistant	✓
Storage media *	SSD	HP Artificial Intelligence	AI Workstation, AI PC
Optical drive type *	✗	HP GTIN (EAN/UPC)	199485052892
Number of storage drives installed	1	HP segment	Business
Total SSDs capacity	1 TB	Audio	
Number of SSDs installed	1	Audio chip	Realtek ALC3252
SSD capacity	1 TB	Weight & dimensions	
SSD interface	PCI Express 4.0	Width *	337 mm
NVMe	✓	Depth *	308 mm
SSD form factor	M.2	Height *	337 mm
Graphics		Weight *	5.51 kg
Discrete graphics card *	✗	Packaging data	
On-board graphics card *	✓	Package width	287 mm
Discrete graphics card model *	Not available	Package depth	400 mm
On-board GPU manufacturer	Intel	Package height	499 mm
On-board graphics card family	Intel® Graphics	Package weight	7.67 kg
On-board graphics card model *	Intel® Graphics	Packaging content	
Performance		Mouse included	✓
Market positioning	Performance	Mouse connectivity	Wired
Motherboard chipset	Intel® Q870	Keyboard included	✓
Password protection	✓	Numeric keypad	✗
Password protection type	BIOS, Power on	Input device model	HP Wired 320M Mouse
Product type *	Workstation	Sustainability	
Network		Sustainability compliance	✓
Ethernet LAN *	✓	Sustainability certificates	ENERGY STAR, EPEAT
Ethernet LAN data rates	10,100,1000 Mbit/s	Sustainable technologies and materials	
Cabling technology	10/100/1000Base-T(X)		
Wi-Fi *	✓	Bulk packaging available; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; 10% ITE-derived closed loop plastic; 80 Plus Platinum power supplies available; Contains at least 60% post-consumer recycled plastic; Outside box and corrugated cushions are 100% sustainably sourced or recyclable	
Top Wi-Fi standard	Wi-Fi 7 (802.11be)		
Wi-Fi standards	Wi-Fi 7 (802.11be)	Logistics data	
WLAN controller manufacturer	Intel	Harmonized System (HS) code	8471500000
WLAN controller model	Intel Wi-Fi 7 BE200	Supplier features	
Antenna type	2x2	Manufacturer warranty	1 year (1/1/1) limited warranty includes 1 year of parts, labor and on-site repair. Terms and conditions vary by country. Certain restrictions and exclusions apply.
Bluetooth	✓	Support service included	HP 3y Onsite Low End Workstation HW Supp. For terms and conditions, please visit https://h20195.www2.hp.com/v2/GetPDF.aspx/4AA5-6385EEE & https://www8.hp.com/h20195/v2/getpdf.aspx/4AA5-7123EEGB.pdf
Bluetooth version	5.4		
Ports & interfaces			
USB 2.0 ports quantity *	3		

Keyboard

Keyboard connectivity	Wired
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Other features

UNSPSC-code	43211515
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