



HP Z2 G1i Intel Core Ultra 7 265 32 GB DDR5-SDRAM 1 TB SSD Windows 11 Pro SFF Workstation AI Workstation, AI PC Black



Brand : HP

Product family: Z2

Product code: B76QXET

Product name : Z2 G1i

- Intel Core™ Ultra 7 265 (up to 5.3 GHz with Intel Turbo Boost Technology, 30 MB L3 cache, 20 cores, 20 threads)
 - Windows 11 Pro
 - Intel Graphics
 - 32 GB DDR5-5600 MT/s (1 x 32 GB), 1 TB PCIe Gen4 NVMe™ M.2 SSD
- Z2 SFF G1i Workstation Desktop PC, Windows 11 Pro, Intel Core™ Ultra 7, 32GB RAM, 1TB SSD, Black, AI Workstation; AI PC

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Tower power at a third of the size.

Re-engineered to get all the power of a full-size tower at a fraction of the size. The Z2 SFF AI workstation delivers high performance for intensive workflows—from 3D design to real time ray tracing—now and in the future. When demands change, you have the impressive ability to upgrade and expand.

Processor		Network	
Processor manufacturer *	Intel	Bluetooth	✓
Processor family *	Intel Core Ultra 7	Bluetooth version	5.4
Processor generation	Intel Core Ultra (Series 2)	Ports & interfaces	
Processor model *	265	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3
Processor cores	20	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	6
Processor threads	20	USB 3.2 Gen 2x2 Type-C ports quantity	2
Processor boost frequency	5.3 GHz	DisplayPorts quantity	2
Performance cores	8	DisplayPort version	1.4
Efficient cores	12	Ethernet LAN (RJ-45) ports	1
Performance-core Max Turbo Frequency	5.2 GHz	Combo headphone/mic port	✓
Efficient-core Max Turbo Frequency	4.6 GHz	Line-out	✓
Performance-core base frequency	2.4 GHz	Line-in	✓
Efficient-core base frequency	1.8 GHz	Microphone in	✓
Processor cache	30 MB	Expansion slots	
Processor cache type	L3	PCI Express x16 (Gen 5.x) slots	1
Processor base power	65 W	Power	
Maximum turbo power	182 W	Power supply *	400 W
Neural processor unit (NPU)		Power supply input voltage	100 - 240 V
Neural processor unit (NPU)	Intel AI Boost	Power supply input frequency	50 - 60 Hz
Sparsity support	✓	Design	
Windows Studio effects support	✓	Chassis type *	SFF
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Colour name	Black
Total processor performance up to	33 TOPs	Product colour *	Black
NPU performance up to	13 TOPs	Intel® vPro™ Platform Eligibility	✗
GPU performance up to	8 TOPs	Country of origin	Czech Republic
Memory		Software	
Internal memory *	32 GB		
Maximum internal memory *	32 GB		
Internal memory type	DDR5-SDRAM		

Memory		Software	
Memory layout (slots x size)	1 x 32 GB	Operating system installed *	Windows 11 Pro
Memory slots	4x DIMM	Processor special features	
Memory clock speed	5600 MHz	Intel® Turbo Boost Technology	✓
Memory module type	UDIMM	Display	
Non-ECC	✓	Display included *	✗
Storage		Brand-specific features	
Total storage capacity *	1 TB	HP Artificial Intelligence	AI Workstation, AI PC
Storage media *	SSD	HP GTIN (EAN/UPC)	199485051994
Optical drive type *	✗	HP segment	Business
Number of storage drives installed	1	Audio	
Total SSDs capacity	1 TB	Audio chip	Realtek ALC3252
Number of SSDs installed	1	Weight & dimensions	
SSD capacity	1 TB	Width *	100 mm
SSD interface	PCI Express 4.0	Depth *	308 mm
NVMe	✓	Height *	100 mm
SSD form factor	M.2	Weight *	4 kg
Graphics		Packaging data	
Discrete graphics card *	✗	Package width	499 mm
On-board graphics card *	✓	Package depth	200 mm
Discrete graphics card model *	Not available	Package height	394 mm
On-board GPU manufacturer	Intel	Package weight	6.5 kg
On-board graphics card family	Intel® Graphics	Packaging content	
On-board graphics card model *	Intel® Graphics	Mouse included	✓
Performance		Mouse connectivity	Wired
Market positioning	Performance	Keyboard included	✓
Motherboard chipset	Intel W880	Numeric keypad	✗
Password protection	✓	Input device model	HP Wired 320M Mouse
Password protection type	BIOS, Power on	Sustainability	
Product type *	Workstation	Sustainability compliance	✓
Network		Sustainability certificates	ENERGY STAR, EPEAT, TCO10
Ethernet LAN *	✓	<p>Low halogen; 10% ITE-derived closed loop plastic; 80 Plus Platinum power supplies available; Product Carbon Footprint; Contains at least 20% post-industrial recycled steel; At least 25% ocean-bound plastic in system fans; System has a QR code enabled experience where the user has access to a product portal - beginning December 2025, this is complete with product feature highlights, sustainability information, getting started guides, and direct setup and support options; New Energy Consumption dashboard available to customers providing timely carbon usage including recommended actions users can take to decrease carbon footprint</p>	
Ethernet LAN data rates	10,100,1000 Mbit/s		
Cabling technology	10/100/1000Base-T(X)		
Wi-Fi *	✓		
Top Wi-Fi standard	Wi-Fi 7 (802.11be)		
Wi-Fi standards	Wi-Fi 7 (802.11be)		
WLAN controller manufacturer	Intel		
WLAN controller model	Intel Wi-Fi 7 BE200		
Antenna type	2x2	Sustainable technologies and materials	
Logistics data		Harmonized System (HS) code	8471500000
Supplier features		<p>Manufacturer warranty</p> <p>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.</p> <p>Support service included</p> <p>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</p>	
Keyboard		Keyboard connectivity	Wired

Other features

UNSPSC-code

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