HP EliteStudio 8 AiO G1i U523516GB/512PC Intel Core Ultra 5 235 60.5 cm (23.8") 1920 x 1080 pixels All-in-One PC 16 GB DDR5-SDRAM 512 GB SSD Windows 11 Pro Wi-Fi 7 (802.11be) AI PC Silver







Brand : HP **Product family:** EliteStudio 8 **Product code:** CD6N2ET#UUW

Product name : EliteStudio 8 AiO G1i U523516GB/512PC

HP EliteStudio 8 AiO G1i U523516GB/512PC. Product type: All-in-One PC. Display diagonal: 60.5 cm (23.8"), HD type: Full HD, Display resolution: 1920 x 1080 pixels, Panel type: IPS. Processor family: Intel Core Ultra 5. Internal memory: 16 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel® Graphics. Built-in camera. Operating system installed: Windows 11 Pro. Product colour: Silver

Display	
Display diagonal *	60.5 cm (23.8")
Display resolution *	1920 x 1080 pixels
Touchscreen *	✗
HD type *	Full HD
Display brightness	250 cd/m²
Panel type	IPS
RGB colour space	sRGB
Anti-glare screen	✓
Low Blue Light technology	✓
Colour gamut	99%

Processor	
Processor manufacturer *	Intel
Processor family *	Intel Core Ultra 5
Processor generation	Intel Core Ultra (Series 2)
Processor model *	235
Processor cores	14
Processor threads	14
Processor boost frequency	5 GHz
Performance cores	6
Efficient cores	8
Performance-core Max Turbo Frequency	5 GHz
Efficient-core Max Turbo Frequency	4.4 GHz
Performance-core base frequency	3.4 GHz
Efficient-core base frequency	2.9 GHz
Processor cache	24 MB
Processor cache type	L3
Processor base power	65 W
Maximum turbo power	121 W

Neural processor unit (NPU)	
Neural processor unit (NPU)	Intel AI Boost

Network	
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
Ethernet LAN *	✓
Ethernet LAN data rates	10,100,1000 Mbit/s
Bluetooth *	✓
Bluetooth version	5.4

Ports & interfaces	
Ethernet LAN (RJ-45) ports	1
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1
USB4 Gen 3x2 ports quantity *	1
USB 3.2 Gen 2x2 Type-C ports quantity	1
Intel® Thunderbolt 4	✓
Thunderbolt 4 ports quantity	1
HDMI ports quantity *	1
HDMI version	2.1
DisplayPorts quantity	1
Combo headphone/mic port	✓

Design	
Colour name	Pike silver
Product colour *	Silver
Introduction year	2025

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Neural processor unit (NPU)	
Sparsity support	✔
Windows Studio effects support	✔
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN
Total processor performance up to	27 TOPs
NPU performance up to	13 TOPs
GPU performance up to	6 TOPs

Memory	
Internal memory *	16 GB
Internal memory type	DDR5-SDRAM
Memory slots	2
Memory slots type	SO-DIMM
Memory clock speed	5600 MHz
Memory layout (slots x size)	1 x 16 GB
Memory form factor	DIMM/SO-DIMM
Memory data transfer rate	5600 MT/s

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

Graphics	
Discrete graphics card *	✘
Discrete graphics card model *	Not available
On-board graphics card *	✔
On-board GPU manufacturer	Intel
On-board graphics card family	Intel® Graphics
On-board graphics card model *	Intel® Graphics

Audio	
Built-in speaker(s) *	✔
Built-in microphone	✔
Audio chip	Realtek ALC3252

Camera	
Built-in camera *	✔
Total megapixels	5 MP
Infrared (IR) camera	✔

Design	
Country of origin	Czech Republic

Performance	
Product type *	All-in-One PC
Market positioning	Business
Motherboard chipset	Intel® Q870

Software	
Operating system installed *	Windows 11 Pro

Processor special features	
Intel® Turbo Boost Technology	✔

Brand-specific features	
HP Support Assistant	✔
HP segment	Business
HP Software provided	HP Notifications; HP PC Hardware Diagnostics UEFI; HP PC Hardware Diagnostics Windows
HP Artificial Intelligence	AI PC

Power	
AC adapter power	280 W
AC adapter frequency	50 - 60 Hz
AC adapter input voltage	100 - 240 V

Weight & dimensions	
Width (with stand)	539.6 mm
Depth (with stand)	319.4 mm
Height (with stand)	52.5 mm
Weight (with stand)	6.3 kg
Weight	6.3 kg
Package width	750 mm
Package depth	195 mm
Package height	480 mm
Package weight	15.4 kg

Operational conditions	
Operating temperature (T-T)	10 - 35 °C
Operating relative humidity (H-H)	10 - 90%

Sustainability	
Sustainability compliance	✔
Sustainability certificates	ENERGY STAR, EPEAT Gold, EPEAT Climate +, TCO10
Sustainable technologies and materials	5% REE recycled magnets in system; 20% recycled metal in enclosure; 60% recycled plastic in system; 25% ocean-bound plastic in thermal fan module; 5% ocean-bound plastic in speaker enclosure; 35% recycled indium and 20% recycled glass in display panels

Logistics data	
UNSPSC-code	43211507

Other features	
Chassis type	All-in-One
Display diagonal (metric)	60.5 cm
Display included	✔
Power supply	280 W
Memory module type	SODIMM
Intel® vPro™ Platform Eligibility	✔



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