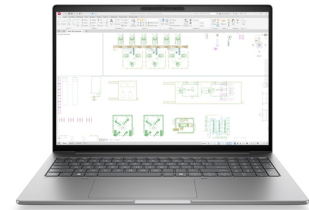




HP ZBook 8 G2i Wolf Pro Security Edition Copilot+ PC Intel Core Ultra 9 386H Mobile workstation 40.6 cm (16") WUXGA 48 GB DDR5-SDRAM 1 TB SSD NVIDIA RTX PRO 500 Blackwell Wi-Fi 7 (802.11be) Windows 11 Pro AI Workstation, AI PC Silver



Brand : HP

Product family: ZBook 8

Product code: DN8J2ET

Product name : ZBook 8 G2i
Wolf Pro Security Edition

HP ZBook 8 G2i Wolf Pro Security Edition. Product type: Mobile workstation, Form factor: Clamshell. Processor family: Intel Core Ultra 9, Processor model: 386H. Display diagonal: 40.6 cm (16"), HD type: WUXGA, Display resolution: 1920 x 1200 pixels. Internal memory: 48 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel® Graphics, Discrete graphics card model: NVIDIA RTX PRO 500 Blackwell. Operating system installed: Windows 11 Pro. Product colour: Silver

Design		Graphics	
Colour name	Meteor silver	On-board graphics card family	Intel® Graphics
Product type *	Mobile workstation	On-board graphics card model *	Intel® Graphics
Product colour *	Silver	Ray tracing acceleration	✓
Form factor *	Clamshell	Audio	
Market positioning	Performance	Built-in speaker(s)	✓
Introduction year	2026	Speaker power	1 W
Original brand name	HP	Number of microphones	2
Display		Camera	
Display diagonal *	40.6 cm (16")	Front camera	✓
Display resolution *	1920 x 1200 pixels	Front camera resolution (numeric)	5 MP
Touchscreen *	✗	Infrared (IR) camera	✓
HD type	WUXGA	Network	
Panel type	IPS	Wi-Fi	✓
Anti-glare screen	✓	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Display brightness	400 cd/m²	Wi-Fi standards	Wi-Fi 7 (802.11be)
Display diagonal (metric)	40.6 cm	Mobile network connection *	✗
RGB colour space	sRGB	Antenna type	2x2
Colour gamut	100%	WLAN controller model	Intel Wi-Fi 7 BE211
sRGB coverage (typical)	100%	WLAN controller manufacturer	Intel
Processor		Bluetooth	✓
Processor manufacturer *	Intel	Bluetooth version	6.0
Processor family *	Intel Core Ultra 9	Ports & interfaces	
Processor generation	Intel® Core™ Ultra (Series 3)	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
Processor model *	386H	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Processor cores	16	USB4 Gen 3x2 ports quantity	2
Processor threads	16	Ethernet LAN (RJ-45) ports	1
Processor boost frequency	4.9 GHz	HDMI ports quantity *	1
Performance cores	4	HDMI version	2.1
Efficient cores	8		
Low Power Efficient-cores	4		

Processor		Ports & interfaces	
Performance-core Max Turbo Frequency	4.9 GHz	Thunderbolt 4 ports quantity	2
Efficient-core Max Turbo Frequency	3.7 GHz	Intel® Thunderbolt 4	✓
Low Power Efficient-core Max Turbo Frequency	3.5 GHz	Combo headphone/mic port	✓
Performance-core base frequency	2.1 GHz	USB Type-C DisplayPort Alternate Mode	✓
Efficient-core base frequency	1.6 GHz	USB Sleep-and-Charge	✓
Low Power Efficient-core Base Frequency	1600 MHz	Keyboard	
Processor cache	18 MB	Pointing device	Clickpad
Processor cache type	L3	Numeric keypad *	✓
Processor socket	FCBGA2540	Keyboard backlit	✓
Processor base power	25 W	Spill-resistant keyboard	✓
Maximum turbo power	80 W	Input device model	HP Premium Keyboard
Neural processor unit (NPU)		Software	
Copilot+ PC	✓	Operating system installed *	Windows 11 Pro
Neural processor unit (NPU)	Intel AI Boost	Processor special features	
Sparsity support	✓	Intel® Turbo Boost Technology	✓
Windows Studio effects support	✓	Brand-specific features	
AI software frameworks supported by NPU	OpenVINO, Windows ML, ONNX RT, WebNN	HP speaker type	HP Dual Speakers
NPU performance up to	50 TOPs	HP Artificial Intelligence	AI Workstation, AI PC
GPU performance up to	40 TOPs	HP segment	Business
Memory		Battery	
Internal memory *	48 GB	Battery technology	Lithium Polymer (LiPo)
Internal memory type	DDR5-SDRAM	Number of battery cells	8
Memory clock speed	5600 MHz	Battery capacity *	77 Wh
Memory form factor	SO-DIMM	Fast charging	✓
Memory layout (slots x size)	2 x 24 GB	Fast charging time (50%)	30 min
Non-ECC	✓	Power	
Storage		AC adapter power	140 W
Total storage capacity *	1 TB	AC adapter frequency	50 - 60 Hz
Storage media *	SSD	AC adapter input voltage	100 - 240 V
Total SSDs capacity	1 TB	USB Type-C charging port *	✓
Number of SSDs installed	1	USB Type-C required charging power (min) *	65 W
SSD capacity	1 TB	USB Type-C required charging power (max) *	140 W
SSD interface	PCI Express 5.0	USB Power Delivery (USB PD)	✓
NVMe	✓	Security	
SSD form factor	M.2	Fingerprint reader	✓
Optical drive type *	✗	Password protection	✓
Graphics		Password protection type	BIOS, Power on
Discrete GPU manufacturer	NVIDIA	Sustainability	
Discrete graphics card model *	NVIDIA RTX PRO 500 Blackwell	Sustainable technologies and materials	Molded paper pulp cushion inside box is made of 100% recycled or certified sources; Outside box and corrugated cushions are 100% from certified or recycled sources and recyclable; At least 40% post-consumer recycled plastic; Low halogen; Bulk packaging available; External power supply 90% efficiency
Discrete graphics card memory	6 GB		
Discrete graphics memory type	GDDR7	Weight & dimensions	
On-board graphics card *	✓	Width	359 mm
On-board GPU manufacturer	Intel	Depth	251 mm
Discrete graphics card *	✓	Height	19 mm
Packaging content			
AC adapter included *		✓	

Packaging content	
Keyboard included	✓
Other features	
UNSPSC-code	43211503
Memory module type	SODIMM



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