



HP ZBook 8 G2i Wolf Pro Security Edition Copilot+ PC Intel Core Ultra 7 356H Mobile workstation 40.6 cm (16") WUXGA 32 GB DDR5-SDRAM 1 TB SSD NVIDIA RTX PRO 500 Blackwell Wi-Fi 7 (802.11be) Windows 11 Pro AI Workstation, AI PC Silver

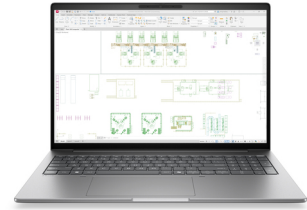
Brand : HP

Product family: ZBook 8

Product code: DN8J1ET#ABH

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 7, Processor model: 356H. Display diagonal: 40.6 cm (16"), HD type: WUXGA, Display resolution: 1920 x 1200 pixels. Internal memory: 32 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 7	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 *	356H	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Processor cores	16	Ethernet LAN (RJ-45) ports	1
Processor threads	16	HDMI ports quantity *	1
Processor boost frequency	4.7 GHz	HDMI version	2.1
Performance cores	4	Thunderbolt 4 ports quantity	2
Efficient cores	8		
Low Power Efficient-cores	4		

Processor		Ports & interfaces	
Performance-core Max Turbo Frequency	4.7 GHz	Intel® Thunderbolt 4	✓
Efficient-core Max Turbo Frequency	3.5 GHz	Combo headphone/mic port	✓
Low Power Efficient-core Max Turbo Frequency	3.3 GHz	USB Type-C DisplayPort Alternate Mode	✓
Performance-core base frequency	1.9 GHz	USB Sleep-and-Charge	✓
Efficient-core base frequency	1.5 GHz	Keyboard	
Low Power Efficient-core Base Frequency	1500 MHz	Pointing device	Clickpad
Processor cache	18 MB	Numeric keypad *	✓
Processor cache type	L3	Keyboard backlit	✓
Processor socket	FCBGA2540	Spill-resistant keyboard	✓
Processor base power	25 W	Keyboard layout	QWERTY
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	Bundled software	HP Wolf Pro Security Edition
Sparsity support	✓	Processor special features	
Windows Studio effects support	✓	Intel® Turbo Boost Technology	✓
AI software frameworks supported by NPU	OpenVINO, Windows ML, ONNX RT, WebNN	Brand-specific features	
NPU performance up to	50 TOPs	HP speaker type	HP Dual Speakers
GPU performance up to	40 TOPs	HP Artificial Intelligence	AI Workstation, AI PC
Memory		HP segment	Business
Internal memory *	32 GB	Battery	
Internal memory type	DDR5-SDRAM	Battery technology	Lithium Polymer (LiPo)
Memory clock speed	5600 MHz	Number of battery cells	8
Memory form factor	SO-DIMM	Battery capacity *	77 Wh
Memory layout (slots x size)	2 x 16 GB	Fast charging	✓
Memory data transfer rate	5600 MT/s	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		
On-board graphics card *	✓		
On-board GPU manufacturer	Intel	Weight & dimensions	
Discrete graphics card *	✓	Width	359 mm
		Depth	251 mm
		Height	19 mm

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



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