



HP ZBook Ultra G1a Copilot+ PC AMD Ryzen AI Max+ PRO PRO 395 Mobile workstation 35.6 cm (14") Touchscreen 2.8K 64 GB LPDDR5x-SDRAM 1 TB SSD Wi-Fi 7 (802.11be) Windows 11 Pro AI Workstation, AI PC Silver



Brand : HP

Product family: ZBook Ultra

Product code: A3ZH3ET

Product name : ZBook Ultra G1a

- AMD Ryzen AI Max+ PRO 395 (up to 5.1 GHz max boost clock, 64 MB L3 cache, 16 cores, 32 threads)
 - Windows 11 Pro
 - 35.6 cm (14") diagonal 2.8K touch display
 - AMD Radeon Graphics
 - 64 GB LPDDR5x-8533 MT/s (onboard), 1 TB PCIe Gen4 NVMe TLC M.2 SSD
- ZBook Ultra 14 inch G1a Mobile Workstation PC Wolf Pro Security Edition - Data Science, 14", Touch screen, Windows 11 Pro, AMD Ryzen AI Max+ PRO, 64GB RAM, 1TB SSD, 2.8K, Meteor silver, AI Workstation; AI PC; Copilot+ PC

HP ZBook Ultra G1a Copilot+ PC AMD Ryzen AI Max+ PRO PRO 395 Mobile workstation 35.6 cm (14") Touchscreen 2.8K 64 GB LPDDR5x-SDRAM 1 TB SSD Wi-Fi 7 (802.11be) Windows 11 Pro AI Workstation, AI PC Silver:

Transformative AI performance. Redefining workflows.

Unleash groundbreaking performance to take on complex AI workflows. Defy what's possible on the go with a sleek, thin, battery efficient, AI PC mobile workstation. Simultaneously render and visualize graphic-intensive projects. Work with LLMs locally like never before. This is power redefined.

Design		Ports & interfaces	
Colour name	Meteor silver	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	1
Product type *	Mobile workstation	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Product colour *	Silver	USB4 Gen 3x2 ports quantity	2
Form factor *	Clamshell	HDMI ports quantity *	1
Market positioning	Performance	HDMI version	2.1
Introduction year	2025	Thunderbolt 4 ports quantity	2
Country of origin	China	Intel® Thunderbolt 4	✓
Original brand name	HP	Microphone in	✓
Display		Combo headphone/mic port	✓
Display diagonal *	35.6 cm (14")	USB Type-C DisplayPort Alternate Mode	✓
Display resolution *	2880 x 1800 pixels	Keyboard	
Touchscreen *	✓	Keyboard special features	Spill-resistant
HD type	2.8K	Pointing device	Clickpad
Panel type	IPS	Numeric keypad *	✗
Display surface	Gloss	Keyboard backlit	✓
Anti-glare screen	✓	Spill-resistant keyboard	✓
Display brightness	400 cd/m²	Input device model	HP Premium Keyboard
Display diagonal (metric)	35.6 cm	Software	
RGB colour space	DCI-P3	Operating system installed *	Windows 11 Pro
Colour gamut	100%	Bundled software	HP Wolf Pro Security Edition (1 year)
DCI-P3 coverage	100%	Brand-specific features	
Processor		HP speaker type	HP Quad Speakers
Processor manufacturer *	AMD	HP Connection Optimizer	✓
Processor family *	AMD Ryzen AI Max+ PRO	HP Support Assistant	✓
Processor generation	AMD Ryzen AI PRO 300 Series	HP front camera	HP Webcam 5MP
Processor model *	PRO 395	HP Artificial Intelligence	AI Workstation, AI PC
Processor cores	16		
Processor threads	32		
Processor boost frequency	5.1 GHz		
Processor cache	64 MB		

Processor		Brand-specific features	
Processor cache type	L3	HP segment	Business
Neural processor unit (NPU)		HP GTIN (EAN/UPC)	198990829722
Copilot+ PC	✓	Battery	
Neural processor unit (NPU)	AMD Ryzen AI	Battery technology	Lithium Polymer (LiPo)
NPU performance up to	50 TOPs	Number of battery cells	4
Memory		Battery capacity *	74.5 Wh
Internal memory *	64 GB	Fast charging	✓
Internal memory type	LPDDR5x-SDRAM	Fast charging time (50%)	30 min
Memory clock speed	8533 MHz	Power	
Memory form factor	On-board	AC adapter power	140 W
Memory layout (slots x size)	Not available	AC adapter frequency	50 - 60 Hz
Maximum internal memory *	64 GB	AC adapter input voltage	100 - 240 V
Memory data transfer rate	8533 MT/s	USB Type-C charging port *	✓
Storage		USB Power Delivery (USB PD)	✓
Total storage capacity *	1 TB	Security	
Storage media *	SSD	Fingerprint reader	✓
Total SSDs capacity	1 TB	Password protection	✓
Number of SSDs installed	1	Password protection type	BIOS, Power on
SSD capacity	1 TB	Certificates	
SSD memory type	TLC	Low halogen	✓
SSD interface	PCI Express 4.0	Sustainability	
NVMe	✓	Sustainability compliance	✓
SSD form factor	M.2	Sustainability certificates	ENERGY STAR, TCO, TCO10
Optical drive type *	✗	Sustainable technologies and materials	Low Halogen17; HP paper-based packaging is from recycled or certified sources; At least 60% post-consumer recycled plastic; Bulk packaging available; External power supply 90% efficiency
Graphics			
Discrete graphics card model *	Not available	Weight & dimensions	
On-board graphics card *	✓	Width	312.2 mm
On-board GPU manufacturer	AMD	Depth	214.6 mm
Discrete graphics card *	✗	Height	18.1 mm
On-board graphics card family	AMD Radeon Graphics	Weight *	1.57 kg
On-board graphics card model *	AMD Radeon Graphics	Carbon footprint	
Audio		Total carbon footprint (kg of CO2e)	266.538
Built-in speaker(s)	✓	Carbon emissions, manufacturing (kg of CO2e)	239.553
Number of built-in speakers	4	Carbon emissions, logistics (kg of CO2e)	4.581
Speaker power	1 W	Carbon emissions, end-of-life (kg of CO2e)	0.611
Built-in microphone	✓	Total carbon emissions, w/o use phase (kg of CO2e)	21.793
Number of microphones	2	Packaging content	
Camera		AC adapter included *	✓
Front camera	✓	Keyboard included	✓
Front camera resolution (numeric)	5 MP	Logistics data	
Infrared (IR) camera	✓	Harmonized System (HS) code	8471300000
Network		Other features	
Wi-Fi	✓	UNSPSC-code	43211503
Top Wi-Fi standard *	Wi-Fi 7 (802.11be)	Supplied AC adapter type	AC
Wi-Fi standards	Wi-Fi 7 (802.11be)	Manufacturer warranty	1 year (1/1/0) limited warranty includes 1 year of parts and labor. No on-site repair. Terms and conditions vary by country. Certain restrictions and exclusions apply.
Mobile network connection *	✗	Support service included	HP 1 Year Wolf Pro Security Edition Service. For terms and conditions, please visit https://h20195.www2.hp.com/v2/GetPDF.aspx/4AA8-1150EEE & https://www8.hp.com/h20195/v2/getpdf.aspx/4AA5-7123EEGB.pdf
Antenna type	2x2		
WLAN controller model	MediaTek MT7925		
WLAN controller manufacturer	MediaTek		
Bluetooth	✓		
Bluetooth version	5.4		



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