



# HP ZBook Fury G1i Data Science Intel Core Ultra 7 255HX Mobile workstation 40.6 cm (16") WUXGA 32 GB DDR5-SDRAM 1 TB SSD NVIDIA RTX PRO 1000 Blackwell Wi-Fi 7 (802.11be) Windows 11 Pro AI Workstation, AI PC Silver



**Brand :** HP

**Product family:** ZBook Fury

**Product code:** 98M23ET

**Product name :** ZBook Fury  
G1i Data Science

- Intel Core™ Ultra 7 255HX (up to 5.2 GHz with Intel Turbo Boost Technology, 30 MB L3 cache, 20 cores, 20 threads)
  - Windows 11 Pro
  - 40.6 cm (16") diagonal WUXGA display
  - NVIDIA RTX PRO™ 1000 Blackwell Generation Laptop GPU (8 GB GDDR7 dedicated)
  - 32 GB DDR5-5600 MT/s (1 x 32 GB), 1 TB PCIe Gen4 NVMe™ TLC M.2 SSD
- ZBook Fury G1i 16 inch Mobile Workstation PC - Data Science, 16", Windows 11 Pro, Intel Core™ Ultra 7, 32GB RAM, 1TB SSD, NVIDIA RTX PRO™ 1000 Blackwell, WUXGA, Meteor silver, AI Workstation; AI PC

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## So powerful you'll forget it's a laptop.

Tackle your most intense workflows with the HP ZBook Fury—offering a desktop class CPU in a laptop. With pro-graphics, massive memory and storage, and AI-enhanced collaboration features, you can edit 8K videos, render in 3D or fine-tune machine learning models. Experience AI workstation performance on the go.

Design		Audio	
Colour name	Meteor silver	Built-in speaker(s)	✓
Product type *	Mobile workstation	Number of built-in speakers	4
Product colour *	Silver	Speaker power	1 W
Form factor *	Clamshell	Built-in microphone	✓
Market positioning	Performance	Number of microphones	2
Introduction year	2025	Camera	
Intel® vPro™ Platform Eligibility	✗	Front camera	✓
Country of origin	China, Mexico	Front camera resolution (numeric)	5 MP
Original brand name	HP	Infrared (IR) camera	✓
Display		Network	
Display diagonal *	40.6 cm (16")	Wi-Fi	✓
Display resolution *	1920 x 1200 pixels	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Touchscreen *	✗	Wi-Fi standards	Wi-Fi 7 (802.11be)
HD type	WUXGA	Mobile network connection *	✗
Panel type	IPS	Antenna type	2x2
Anti-glare screen	✓	WLAN controller model	Intel Wi-Fi 7 BE200
Display brightness	400 cd/m <sup>2</sup>	WLAN controller manufacturer	Intel
Display diagonal (metric)	40.6 cm	Ethernet LAN	✓
RGB colour space	sRGB	Bluetooth	✓
Colour gamut	100%	Bluetooth version	5.4
sRGB coverage (typical)	100%	Ports & interfaces	
Processor		USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	1
Processor manufacturer *	Intel	USB4 Gen 3x2 ports quantity	1
Processor family *	Intel Core Ultra 7	HDMI ports quantity *	1
Processor generation	Intel Core Ultra (Series 2)	HDMI version	2.1
Processor model *	255HX	Thunderbolt 4 ports quantity	1
Processor cores	20	Thunderbolt 5 ports quantity	2
Processor threads	20		
Processor boost frequency	5.2 GHz		

<b>Processor</b>		<b>Ports &amp; interfaces</b>	
Performance cores	8	Intel® Thunderbolt 4	✓
Efficient cores	12	Intel® Thunderbolt 5	✓
Performance-core Max Turbo Frequency	5.2 GHz	Microphone in	✓
Efficient-core Max Turbo Frequency	4.5 GHz	Combo headphone/mic port	✓
Performance-core base frequency	2.4 GHz	USB Type-C DisplayPort Alternate Mode	✓
Efficient-core base frequency	1.8 GHz	<b>Keyboard</b>	
Processor cache	30 MB	Pointing device	Touchpad
Processor cache type	L3	Numeric keypad *	✓
Processor base power	55 W	Keyboard backlit	✓
Maximum turbo power	160 W	Spill-resistant keyboard	✓
<b>Neural processor unit (NPU)</b>		Input device model	HP Premium Keyboard
Neural processor unit (NPU)	Intel AI Boost	<b>Software</b>	
Sparsity support	✓	Operating system installed *	Windows 11 Pro
Windows Studio effects support	✓	<b>Processor special features</b>	
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Intel® Turbo Boost Technology	✓
Total processor performance up to	33 TOPs	<b>Brand-specific features</b>	
NPU performance up to	13 TOPs	HP speaker type	HP Quad Speakers
GPU performance up to	8 TOPs	HP Connection Optimizer	✓
<b>Memory</b>		HP Support Assistant	✓
Internal memory *	32 GB	HP Smart AC Adapter	✓
Internal memory type	DDR5-SDRAM	HP front camera	HP Webcam 5MP
Memory clock speed	5600 MHz	HP Artificial Intelligence	AI Workstation, AI PC
Memory form factor	SO-DIMM	HP segment	Business
Memory layout (slots x size)	1 x 32 GB	HP GTIN (EAN/UPC)	199485883175
Memory slots	4x SO-DIMM	<b>Battery</b>	
Maximum internal memory *	32 GB	Battery technology	Lithium Polymer (LiPo)
Memory channels	Dual-channel	Number of battery cells	8
Memory data transfer rate	5600 MT/s	Battery capacity *	99 Wh
<b>Storage</b>		Fast charging	✓
Total storage capacity *	1 TB	Fast charging time (50%)	30 min
Storage media *	SSD	<b>Power</b>	
Total SSDs capacity	1 TB	AC adapter power	200 W
Number of SSDs installed	1	AC adapter frequency	50 - 60 Hz
SSD capacity	1 TB	AC adapter input voltage	100 - 240 V
SSD memory type	TLC	USB Type-C charging port *	✓
SSD interface	PCI Express 4.0	USB Power Delivery (USB PD)	✓
NVMe	✓	<b>Security</b>	
SSD form factor	M.2	Fingerprint reader	✓
Optical drive type *	✗	Password protection	✓
Card reader integrated	✓	Password protection type	BIOS, Power on
Compatible memory cards	SD	<b>Sustainability</b>	
<b>Graphics</b>		Sustainability compliance	✓
Discrete GPU manufacturer	NVIDIA	Sustainability certificates	ENERGY STAR, TCO, TCO10
Discrete graphics card model *	NVIDIA RTX PRO 1000 Blackwell	Low halogen; 40% post-consumer recycled plastic; Bulk packaging available; External power supply 90% efficiency; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; Outside box and corrugated cushions are 100% sustainably sourced and recyclable	
Discrete graphics card memory	8 GB	<b>Weight &amp; dimensions</b>	
Discrete graphics memory type	GDDR7	Width	359 mm
On-board graphics card *	✓	Depth	249 mm
On-board GPU manufacturer	Intel		
Discrete graphics card *	✓		
On-board graphics card family	Intel® Graphics		
On-board graphics card model *	Intel® Graphics		

**Weight & dimensions**

Height	27 mm
Weight *	2.43 kg

**Packaging content**

Keyboard included	✓
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**Logistics data**

Harmonized System (HS) code	8471300000
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**Other features**

UNSPSC-code	43211503
Memory module type	SODIMM
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.



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