



HP ZBook Firefly G11 Intel Core Ultra 7 165H Mobile workstation 40.6 cm (16") WUXGA 32 GB DDR5-SDRAM 512 GB SSD NVIDIA RTX A500 Wi-Fi 6E (802.11ax) Windows 11 Pro Silver

Brand : HP

Product family: ZBook Firefly

Product code: A5EM4UC#ABA

Product name : ZBook Firefly
G11



- Windows 11 Pro
- Intel Core Ultra 7 165H (24MB Cache)
- 16" WUXGA 1920 x 1200, NVIDIA RTX A500 (4GB GDDR6)
- 32GB DDR5-SDRAM (2 x 16) & 512GB SSD

Intel Core Ultra 7 165H (24MB Cache), 32GB DDR5-SDRAM, 512GB SSD, 16" WUXGA 1920 x 1200, Intel Arc Graphics, NVIDIA RTX A500 (4GB GDDR6), WLAN, Webcam, Windows 11 Pro

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Step up performance. Not size

Pro-level performance combines with true mobility in this amazingly sleek and powerful laptop. Stay productive wherever you're working with integrated or discrete graphics and processor, AI-enhanced webcam and audio, and a stunning display—everything you need to collaborate and manage projects anywhere.

Design		Graphics	
Product type *	Mobile workstation	Discrete graphics card memory	4 GB
Product colour *	Silver	Discrete graphics memory type	GDDR6
Form factor *	Clamshell	On-board graphics card *	✓
Market positioning	Performance	On-board GPU manufacturer	Intel
Display		Discrete graphics card *	✓
Display diagonal *	40.6 cm (16")	On-board graphics card family	Intel Arc Graphics
Display resolution *	1920 x 1200 pixels	On-board graphics card model *	Intel Arc Graphics
Touchscreen *	✗	Audio	
HD type	WUXGA	Number of built-in speakers	2
LED backlight	✓	Built-in microphone	✓
Native aspect ratio	16:10	Camera	
Anti-glare screen	✓	Front camera	✓
Display brightness	300 cd/m ²	Front camera resolution (numeric)	5 MP
RGB colour space	NTSC	Infrared (IR) camera	✓
Colour gamut	45%	Network	
Processor		Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Processor manufacturer *	Intel	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Processor family *	Intel Core Ultra 7	Mobile network connection *	✗
Processor generation	Intel® Core™ Ultra (Series 1)	Antenna type	2x2
Processor model *	165H	WLAN controller model	Intel Wi-Fi 6E AX211
Processor cores	16	WLAN controller manufacturer	Intel
Processor threads	22	Bluetooth	✓
Processor boost frequency	5 GHz	Bluetooth version	5.3
Performance cores	6	Ports & interfaces	
Efficient cores	8	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3
Low Power Efficient-cores	2	HDMI ports quantity *	1
Performance-core Max Turbo Frequency	5 GHz	HDMI version	2.1
Efficient-core Max Turbo Frequency	3.8 GHz	Thunderbolt 4 ports quantity	2
Low Power Efficient-core Max Turbo Frequency	2.5 GHz		

Processor		Ports & interfaces	
Performance-core base frequency	1.4 GHz	Combo headphone/mic port	✓
Efficient-core base frequency	0.9 GHz	Charging port type	USB Type-C
Low Power Efficient-core Base Frequency	700 MHz	USB Type-C DisplayPort Alternate Mode	✓
Processor cache	24 MB	Performance	
Processor cache type	Smart Cache	Motherboard chipset	Intel SoC
Processor socket	BGA 2049	Keyboard	
Processor base power	28 W	Pointing device	Clickpad
Maximum turbo power	115 W	Numeric keypad *	✓
Neural processor unit (NPU)		Keyboard backlit	✓
Neural processor unit (NPU)	Intel AI Boost	Spill-resistant keyboard	✓
Sparsity support	✓	Full-size keyboard	✓
Windows Studio effects support	✓	Software	
AI software frameworks supported by NPU	DirectML, ONNX RT, OpenVINO, Windows ML	Operating system installed *	Windows 11 Pro
Total processor performance up to	34 TOPs	Brand-specific features	
NPU performance up to	11 TOPs	HP speaker type	HP Dual Speakers
GPU performance up to	19 TOPs	Battery	
Memory		Battery technology	Lithium-Ion (Li-Ion)
Internal memory *	32 GB	Number of battery cells	3
Internal memory type	DDR5-SDRAM	Battery capacity *	56 Wh
Memory form factor	SO-DIMM	Fast charging	✓
Memory layout (slots x size)	2 x 16 GB	Fast charging time (50%)	30 min
Memory slots	2x SO-DIMM	Power	
Maximum internal memory *	64 GB	AC adapter power	100 W
Memory data transfer rate	5600 MT/s	USB Type-C charging port *	✓
Storage		USB Power Delivery (USB PD)	✓
Total storage capacity *	512 GB	Security	
Storage media *	SSD	Trusted Platform Module (TPM)	✓
Total SSDs capacity	512 GB	Trusted Platform Module (TPM) version	2.0
Number of SSDs installed	1	Sustainability	
SSD capacity	512 GB	Sustainability certificates	ENERGY STAR
SSD memory type	TLC	Weight & dimensions	
SSD interface	PCI Express 4.0	Width	358.7 mm
NVMe	✓	Depth	251.3 mm
Optical drive type *	✗	Height	19.2 mm
Graphics		Weight *	1.79 kg
Discrete graphics card model *	NVIDIA RTX A500	Packaging data	
		Package width	552 mm
		Package depth	69 mm
		Package height	345 mm
		Packaging content	
		AC adapter included *	✓



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