



HP ZBook Power 16 G11 Intel Core Ultra 7 165H Mobile workstation 40.6 cm (16") Touchscreen WUXGA 32 GB DDR5-SDRAM 1 TB SSD NVIDIA RTX 500 Ada Wi-Fi 6E (802.11ax) Windows 11 Pro Silver



Brand : HP

Product family: ZBook Power

Product code: AM6F2EC#ABA

Product name : 16 G11

- Windows 11 Pro 64-bit
- Intel Core Ultra 7 165H (24MB Cache)
- 40.6 cm (16") WUXGA 1920 x 1200 Touch, NVIDIA RTX 500 Ada (4GB GDDR6)
- 32GB (5600MHz) DDR5-SDRAM (1 x 32) & 1000GB SSD
Intel Core Ultra 7 165H (24MB Cache), 32GB DDR5-SDRAM, 1000GB SSD, 40.6 cm (16") WUXGA 1920 x 1200 Touch, Intel Arc Graphics, NVIDIA RTX 500 Ada (4GB GDDR6), WLAN, Webcam, Windows 11 Pro 64-bit



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Design		Graphics	
Product type *	Mobile workstation	Discrete graphics memory type	GDDR6
Product colour *	Silver	On-board graphics card *	✓
Form factor *	Clamshell	On-board GPU manufacturer	Intel
Market positioning	Performance	Discrete graphics card *	✓
Display		On-board graphics card family	Intel Arc Graphics
Display diagonal *	40.6 cm (16")	On-board graphics card model *	Intel Arc Graphics
Display resolution *	1920 x 1200 pixels	Audio	
Touchscreen *	✓	Number of built-in speakers	2
HD type	WUXGA	Built-in microphone	✓
LED backlight	✓	Camera	
Native aspect ratio	16:10	Front camera	✓
Display brightness	300 cd/m²	Front camera resolution (numeric)	5 MP
Processor		Front camera HD type	Full HD
Processor manufacturer *	Intel	Infrared (IR) camera	✓
Processor family *	Intel Core Ultra 7	Network	
Processor generation	Intel® Core™ Ultra (Series 1)	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Processor model *	165H	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Processor cores	16	Mobile network connection *	✗
Processor threads	22	Antenna type	2x2
Processor boost frequency	5 GHz	WLAN controller model	Intel Wi-Fi 6E AX211
Performance cores	6	WLAN controller manufacturer	Intel
Efficient cores	8	Bluetooth	✓
Low Power Efficient-cores	2	Bluetooth version	5.3
Performance-core Max Turbo Frequency	5 GHz	Ports & interfaces	
Efficient-core Max Turbo Frequency	3.8 GHz	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Low Power Efficient-core Max Turbo Frequency	2.5 GHz	Ethernet LAN (RJ-45) ports	1
Performance-core base frequency	1.4 GHz	HDMI ports quantity *	1
Efficient-core base frequency	0.9 GHz	HDMI version	2.1
Low Power Efficient-core Base Frequency	700 MHz	Thunderbolt 4 ports quantity	2

Processor		Ports & interfaces	
Processor cache	24 MB	Combo headphone/mic port	✓
Processor cache type	Smart Cache	USB Type-C DisplayPort Alternate Mode	✓
Processor base power	28 W	Performance	
Maximum turbo power	115 W	Motherboard chipset	Intel SoC
Neural processor unit (NPU)		Keyboard	
Neural processor unit (NPU)	Intel AI Boost	Pointing device	Clickpad
Maximum frequency NPU	1.4 GHz	Numeric keypad *	✓
Sparsity support	✓	Keyboard backlit	✓
Windows Studio effects support	✓	Island-style keyboard	✓
AI software frameworks supported by NPU	DirectML, ONNX RT, OpenVINO, Windows ML	Spill-resistant keyboard	✓
Memory		Full-size keyboard	✓
Internal memory *	32 GB	Software	
Internal memory type	DDR5-SDRAM	Operating system architecture	64-bit
Memory clock speed	5600 MHz	Operating system installed *	Windows 11 Pro
Memory form factor	SO-DIMM	Brand-specific features	
Memory layout (slots x size)	1 x 32 GB	HP speaker type	HP Dual Speakers
Memory slots	2x SO-DIMM	HP Smart AC Adapter	✓
Maximum internal memory *	64 GB	HP segment	Business
Storage		Battery	
Total storage capacity *	1 TB	Battery technology	Lithium Polymer (LiPo)
Storage media *	SSD	Number of battery cells	6
Total SSDs capacity	1 TB	Battery capacity *	83 Wh
Number of SSDs installed	1	Power	
SSD capacity	1 TB	AC adapter power	150 W
SSD memory type	TLC	USB Power Delivery (USB PD)	✓
SSD interface	PCI Express 4.0	Security	
NVMe	✓	Fingerprint reader	✓
Optical drive type *	✗	Sustainability	
Card reader integrated	✓	Sustainability certificates	ENERGY STAR
Compatible memory cards	SD	Weight & dimensions	
Graphics		Width	359.4 mm
Discrete graphics card model *	NVIDIA RTX 500 Ada	Depth	251 mm
Discrete graphics card memory	4 GB	Height	22.9 mm
		Weight *	2.12 kg
		Packaging data	
		Package width	552 mm
		Package depth	69 mm
		Package height	345 mm

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