



HP ZBook Firefly 16 G9 Intel® Core™ i7 i7-1255U Mobile workstation 40.6 cm (16") WUXGA 16 GB DDR5-SDRAM 512 GB SSD NVIDIA RTX A500 Wi-Fi 6E (802.11ax) Windows 11 Pro Grey

Brand : HP

Product family: ZBook Firefly

Product code: 6B8F3EA#ABB

Product name : 16 G9

HP ZBook Firefly 16 G9. Product type: Mobile workstation, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-1255U. Display diagonal: 40.6 cm (16"), HD type: WUXGA, Display resolution: 1920 x 1200 pixels. Internal memory: 16 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel® HD Graphics 620, Discrete graphics card model: NVIDIA RTX A500. Operating system installed: Windows 11 Pro. Product colour: Grey



Design		Network	
Product type *	Mobile workstation	WLAN controller model	Intel Wi-Fi 6E AX211
Product colour *	Grey	WLAN controller manufacturer	Intel
Form factor *	Clamshell	Ethernet LAN	✗
Market positioning	Performance	Bluetooth	✓
Introduction year	2022	Bluetooth version	5.3
Country of origin	China	Ports & interfaces	
Display		USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Display diagonal *	40.6 cm (16")	HDMI ports quantity *	1
Display resolution *	1920 x 1200 pixels	HDMI version	2.0b
Touchscreen *	✗	Thunderbolt 4 ports quantity	2
HD type	WUXGA	Combo headphone/mic port	✓
Panel type	IPS	USB Type-C DisplayPort Alternate Mode	✓
LED backlight	✓	USB Sleep-and-Charge	✓
Anti-glare screen	✓	USB Sleep-and-Charge ports	2
Display brightness	400 cd/m ²	Performance	
Display diagonal (metric)	40.6 cm	Motherboard chipset	Intel SoC
RGB colour space	sRGB	Keyboard	
Colour gamut	100%	Keyboard special features	Odolná proti polití
Processor		Pointing device	Clickpad
Processor manufacturer *	Intel	Numeric keypad *	✓
Processor family *	Intel® Core™ i7	Keyboard backlit	✓
Processor generation	12th gen Intel® Core™ i7	Spill-resistant keyboard	✓
Processor model *	i7-1255U	Full-size keyboard	✓
Processor cores	10	Input device model	Klávesnice HP Premium
Processor threads	12	Software	
Processor boost frequency	4.7 GHz	Operating system installed *	Windows 11 Pro
Processor cache	12 MB	Processor special features	
Processor cache type	L3	Intel Flex Memory Access	✓
Configurable TDP-down	12 W	Intel Trusted Execution Technology	✓
Memory		Intel VT-x with Extended Page Tables (EPT)	✓
Internal memory *	16 GB		
Internal memory type	DDR5-SDRAM		
Memory clock speed	4800 MHz		
Memory form factor	SO-DIMM		

Memory		Processor special features	
Memory layout (slots x size)	1 x 16 GB	Execute Disable Bit	✓
Memory slots	2x SO-DIMM	CPU configuration (max)	1
Maximum internal memory *	64 GB	Embedded options available	✗
Number of free internal memory expansion slots	1	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Memory channels	Dual-channel	Intel Virtualization Technology (VT-x)	✓
ECC	✗		
Storage		Brand-specific features	
Total storage capacity *	512 GB	HP speaker type	HP Dual Speakers
Storage media *	SSD	HP Connection Optimizer	✓
Total SSDs capacity	512 GB	HP Support Assistant	✓
Number of SSDs installed	1	HP front camera	HP Webcam
SSD capacity	512 GB	HP segment	Business
SSD memory type	TLC		
NVMe	✓		
SSD form factor	M.2		
Optical drive type *	✗		
Card reader integrated	✗		
Graphics		Battery	
Discrete GPU manufacturer	NVIDIA	Battery technology	Lithium Polymer (LiPo)
Discrete graphics card model *	NVIDIA RTX A500	Number of battery cells	3
Discrete graphics card memory	4 GB	Battery capacity *	51 Wh
Discrete graphics memory type	GDDR6	Fast charging	✓
On-board graphics card *	✓	Fast charging time (50%)	30 min
On-board GPU manufacturer	Intel		
Discrete graphics card *	✓		
On-board graphics card family	Intel® HD Graphics		
On-board graphics card model *	Intel® HD Graphics 620		
Number of discrete graphics cards	1		
Audio		Power	
Audio system	B&O PLAY	AC adapter power	65 W
Built-in speaker(s)	✓	AC adapter frequency	50/60 Hz
Number of built-in speakers	2	AC adapter input voltage	100 - 240 V
Speakers manufacturer	Bang & Olufsen	USB Type-C charging port *	✓
Built-in microphone	✓	USB Power Delivery (USB PD)	✓
Number of microphones	2		
Camera		Security	
Front camera	✓	Cable lock slot	✓
Front camera resolution (numeric)	5 MP	Fingerprint reader	✓
Front camera HD type	HD	Trusted Platform Module (TPM)	✓
Infrared (IR) camera	✓	Trusted Platform Module (TPM) version	2.0
Network		Password protection	✓
Wi-Fi	✓	Password protection type	BIOS, Power on, User
Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)		
Wi-Fi standards	Wi-Fi 6E (802.11ax)		
Mobile network connection *	✗		
Antenna type	2x2		
		Certificates	
		Low halogen	✓
		Sustainability	
		Sustainability compliance	✓
		Sustainability certificates	TCO
		Weight & dimensions	
		Width	358.7 mm
		Depth	250.9 mm
		Height	19.9 mm
		Weight *	1.8 kg
		Packaging data	
		Package width	552 mm
		Package depth	69 mm
		Package height	345 mm
		Packaging content	
		Keyboard included	✓
		Other features	
		Number of speakers	2

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