



# HP ZBook Firefly 14 G9 Intel® Core™ i7 i7-1255U Mobile workstation 35.6 cm (14") WQXGA 32 GB DDR5-SDRAM 1 TB SSD NVIDIA RTX A500 Wi-Fi 6E (802.11ax) Windows 11 Pro Silver



**Brand :** HP

**Product family:** ZBook Firefly

**Product code:** 6B8J0EA#ABH

**Product name :** 14 G9

HP ZBook Firefly 14 G9. Product type: Mobile workstation, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-1255U, Processor frequency: 1.7 GHz. Display diagonal: 35.6 cm (14"), HD type: WQXGA, Display resolution: 2560 x 1600 pixels. Internal memory: 32 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel Iris Xe Graphics. Operating system installed: Windows 11 Pro. Product colour: Silver

Design		Network	
Product type *	Mobile workstation	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Product colour *	Silver	Mobile network connection *	✗
Form factor *	Clamshell	Antenna type	2x2
Market positioning	Performance	WLAN controller model	Intel Wi-Fi 6E AX211
Introduction year	2022	WLAN controller manufacturer	Intel
Display		Bluetooth	✓
Display diagonal *	35.6 cm (14")	Bluetooth version	5.3
Display resolution *	2560 x 1600 pixels	Ports & interfaces	
Touchscreen *	✗	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
HD type	WQXGA	HDMI ports quantity *	1
Panel type	IPS	HDMI version	2.0b
Native aspect ratio	16:10	Thunderbolt 4 ports quantity	2
Anti-glare screen	✓	Combo headphone/mic port	✓
Display brightness	500 cd/m <sup>2</sup>	USB Type-C DisplayPort Alternate Mode	✓
Display diagonal (metric)	35.6 cm	USB Sleep-and-Charge	✓
RGB colour space	DCI-P3	USB Sleep-and-Charge ports	2
Colour gamut	100%	Performance	
Processor		Motherboard chipset	Intel SoC
Processor manufacturer *	Intel	Keyboard	
Processor family *	Intel® Core™ i7	Keyboard special features	Morsbestendig
Processor generation	12th gen Intel® Core™ i7	Pointing device	Clickpad
Processor model *	i7-1255U	Numeric keypad *	✗
Processor cores	10	Keyboard backlight	✓
Processor threads	12	Spill-resistant keyboard	✓
Processor boost frequency	4.7 GHz	Full-size keyboard	✓
Processor frequency *	1.7 GHz	Keyboard layout	QWERTY
Processor cache	12 MB	Input device model	HP Premium stil toetsenbord
Processor cache type	L3	Software	
Configurable TDP-down	12 W	Operating system installed *	Windows 11 Pro
Memory			
Internal memory *	32 GB		
Internal memory type	DDR5-SDRAM		
Memory clock speed	4800 MHz		
Memory form factor	SO-DIMM		

<b>Memory</b>		<b>Processor special features</b>	
Memory layout (slots x size)	2 x 16 GB	Intel Flex Memory Access	✓
Memory slots	2x SO-DIMM	Intel Trusted Execution Technology	✓
Maximum internal memory *	64 GB	Intel VT-x with Extended Page Tables (EPT)	✓
Number of free internal memory expansion slots	2	Execute Disable Bit	✓
Memory channels	Dual-channel	CPU configuration (max)	1
<b>Storage</b>		Embedded options available	✗
Total storage capacity *	1 TB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Storage media *	SSD	Intel Virtualization Technology (VT-x)	✓
Total SSDs capacity	1 TB	<b>Brand-specific features</b>	
Number of SSDs installed	1	HP Support Assistant	✓
SSD capacity	1 TB	HP segment	Business
SSD memory type	TLC	<b>Battery</b>	
SSD interface	PCI Express	Battery technology	Lithium Polymer (LiPo)
NVMe	✓	Number of battery cells	3
SSD form factor	M.2	Battery capacity *	51 Wh
Optical drive type *	✗	Fast charging	✓
<b>Graphics</b>		Fast charging time (50%)	30 min
Discrete GPU manufacturer	NVIDIA	<b>Power</b>	
Discrete graphics card model *	NVIDIA RTX A500	AC adapter power	65 W
Discrete graphics card memory	4 GB	USB Type-C charging port *	✓
Discrete graphics memory type	GDDR6	USB Power Delivery (USB PD)	✓
On-board graphics card *	✓	<b>Security</b>	
On-board GPU manufacturer	Intel	Cable lock slot	✓
Discrete graphics card *	✓	Fingerprint reader	✓
On-board graphics card family	Intel Iris Xe Graphics	Trusted Platform Module (TPM)	✓
On-board graphics card model *	Intel Iris Xe Graphics	Trusted Platform Module (TPM) version	2.0
Number of discrete graphics cards	1	Password protection	✓
<b>Audio</b>		Password protection type	BIOS, Power on, User
Audio system	B&O PLAY	<b>Sustainability</b>	
Built-in speaker(s)	✓	Sustainability compliance	✓
Number of built-in speakers	2	Sustainability certificates	TCO
Speakers manufacturer	Bang & Olufsen	<b>Weight &amp; dimensions</b>	
Built-in microphone	✓	Width	315.6 mm
Number of microphones	2	Depth	224.3 mm
<b>Camera</b>		Height	19.9 mm
Front camera	✓	Weight *	1.47 kg
Front camera resolution (numeric)	5 MP	<b>Packaging data</b>	
Front camera HD type	HD	Package width	449 mm
Infrared (IR) camera	✓	Package depth	69 mm
<b>Network</b>		Package height	305 mm
Wi-Fi	✓	<b>Packaging content</b>	
Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)	Keyboard included	✓
		<b>Other features</b>	
		Number of speakers	2



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