



HP ZBook Firefly 14 G9 Intel® Core™ i7 i7-1255U Mobile workstation 35.6 cm (14") WUXGA 16 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: 6B8J1EA#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: 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 Iris Xe Graphics. Operating system installed: Windows 11 Pro. Product colour: Silver



Design

Product type *	Mobile workstation
Product colour *	Silver
Form factor *	Clamshell
Market positioning	Performance
Introduction year	2022

Display

Display diagonal *	35.6 cm (14")
Display resolution *	1920 x 1200 pixels
Touchscreen *	✗
HD type	WUXGA
Panel type	IPS
Native aspect ratio	16:10
Anti-glare screen	✓
Display brightness	400 cd/m ²
Display diagonal (metric)	35.6 cm
RGB colour space	sRGB
Colour gamut	100%

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i7
Processor generation	12th gen Intel® Core™ i7
Processor model *	i7-1255U
Processor cores	10
Processor threads	12
Processor boost frequency	4.7 GHz
Processor frequency *	1.7 GHz
Processor cache	12 MB
Processor cache type	L3
Configurable TDP-down	12 W

Memory

Internal memory *	16 GB
Internal memory type	DDR5-SDRAM
Memory clock speed	4800 MHz
Memory form factor	SO-DIMM

Network

Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Wi-Fi standards	Wi-Fi 6E (802.11ax)
Mobile network connection *	✗
Antenna type	2x2
WLAN controller model	Intel Wi-Fi 6E AX211
WLAN controller manufacturer	Intel
Bluetooth	✓
Bluetooth version	5.3

Ports & interfaces

USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
HDMI ports quantity *	1
HDMI version	2.0b
Thunderbolt 4 ports quantity	2
Combo headphone/mic port	✓
USB Type-C DisplayPort Alternate Mode	✓
USB Sleep-and-Charge	✓
USB Sleep-and-Charge ports	2

Performance

Motherboard chipset	Intel SoC
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Keyboard

Keyboard special features	Morsbestendig
Pointing device	Clickpad
Numeric keypad *	✗
Keyboard backlight	✓
Spill-resistant keyboard	✓
Full-size keyboard	✓
Keyboard layout	QWERTY
Input device model	HP Premium stil toetsenbord

Software

Operating system installed *	Windows 11 Pro
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Memory		Processor special features	
Memory layout (slots x size)	1 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	1	Execute Disable Bit	✓
Memory channels	Dual-channel	CPU configuration (max)	1
Storage		Embedded options available	✗
Total storage capacity *	512 GB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Storage media *	SSD	Intel Virtualization Technology (VT-x)	✓
Total SSDs capacity	512 GB	Brand-specific features	
Number of SSDs installed	1	HP Support Assistant	✓
SSD capacity	512 GB	HP segment	Business
SSD memory type	TLC	Battery	
SSD interface	PCI Express	Battery technology	Lithium Polymer (LiPo)
NVMe	✓	Number of battery cells	3
Optical drive type *	✗	Battery capacity *	51 Wh
Graphics		Power	
Discrete GPU manufacturer	NVIDIA	AC adapter power	65 W
Discrete graphics card model *	NVIDIA RTX A500	USB Type-C charging port *	✓
Discrete graphics card memory	4 GB	USB Power Delivery (USB PD)	✓
Discrete graphics memory type	GDDR6	Security	
On-board graphics card *	✓	Cable lock slot	✓
On-board GPU manufacturer	Intel	Fingerprint reader	✓
Discrete graphics card *	✓	Trusted Platform Module (TPM)	✓
On-board graphics card family	Intel Iris Xe Graphics	Trusted Platform Module (TPM) version	2.0
On-board graphics card model *	Intel Iris Xe Graphics	Password protection	✓
Number of discrete graphics cards	1	Password protection type	BIOS, Power on, User
Audio		Sustainability	
Audio system	B&O PLAY	Sustainability compliance	✓
Built-in speaker(s)	✓	Sustainability certificates	TCO
Number of built-in speakers	2	Weight & dimensions	
Speakers manufacturer	Bang & Olufsen	Width	315.6 mm
Built-in microphone	✓	Depth	224.3 mm
Number of microphones	2	Height	19.9 mm
Camera		Weight *	1.47 kg
Front camera	✓	Packaging data	
Front camera resolution (numeric)	5 MP	Package width	449 mm
Front camera HD type	HD	Package depth	69 mm
Infrared (IR) camera	✓	Package height	305 mm
Network		Packaging content	
Wi-Fi	✓	Keyboard included	✓
		Other features	
		Number of speakers	2



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