

HP ZBook Firefly 16 G9 Mobile Workstation(6B8F3EA#UUG)  
HP ZBook Firefly 16 G9 Mobile Workstation - Intel Core i7 1255U / 1.7 GHz - Win 10 Pro  
(includes Win 11 Pro Licence) - T550 - 16 GB RAM - 512 GB SSD NVMe, TLC - 16" IPS 1920 x  
1200 - Wi-Fi 6E - kbd:Belgium



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-enhancing webcam and audio, and a stunning display-everything you need to collaborate and manage projects anywhere.

## Key Selling Points

- Connect, communicate, collaborate
- 5-megapixel camera
- Immerse in your work
- Step up to pro-level performance
- Work all day, anywhere
- Intel Core i7 processor
- HP Fast Charge technology
- Spill-resistant keyboard
- Industry-leading security features

## Product Features

### Connect, communicate, collaborate

Work effectively anywhere with the auto-framing.

### 5-megapixel camera

5-megapixel camera and discrete audio amps to block background noise.

### Immerse in your work

The more you can see, the more you can do. The 16:10 aspect ratio reduces the need to scroll by showing more vertical content than a 16:9 display. Now you can see more of your programs and apps you use every day.

### Step up to pro-level performance

Say goodbye to crashes and multi-task without a hitch with an Intel CPU and integrated or discrete GPU.

### Work all day, anywhere

Stay productive anywhere with their most mobile ZBook. Starting at light weight this sleek device is made to move.

### Intel Core i7 processor

Run several CPU - heavy programs simultaneously without sacrificing performance with an Intel Core i7 processor.

### HP Fast Charge technology

Ultra-fast recharge takes you from zero to 50% charge in just 30 minutes.

### Spill-resistant keyboard

Accidents happen - which is why they designed their keyboard with a drain hole, so minor spills flow out the bottom for easy cleanup.

### Industry-leading security features

Advanced security features come standard. System safeguards like HP Sure Start - the industry's first self-healing BIOS - mean your device is locked down tight, so your data and identity are too.

## Main Specifications

Product Description	HP ZBook Firefly 16 G9 Mobile Workstation - 16" - Core i7 1255U - 16 GB RAM - 512 GB SSD - Belgium
Product Type	Mobile workstation
Operating System	Win 10 Pro (downgrade from Windows 11 Pro) + Windows 11 Pro Licence - Dutch / English / French / German
Processor	Intel Core i7 (12th Gen) 1255U / 1.7 GHz (4.7 GHz) / 12 MB Cache

Memory	16 GB DDR5 (1 x 16 GB)
Storage	512 GB SSD - NVMe, TLC
Display	16" WLED 1920 x 1200 / WUXGA @ 60 Hz
Graphics	NVIDIA T550 / Intel Iris Xe Graphics
Video Memory	4 GB GDDR6 SDRAM
Input Device	Keyboard, ClickPad
Keyboard	Belgium
Keyboard Backlight	Yes
Numeric Keypad	Yes
Integrated Webcam	Yes
Networking	Bluetooth 5.2, 802.11a/b/g/n/ac/ax (Wi-Fi 6E)
Battery	3-cell - up to 12 hours
Features	Accelerometer, ambient light sensor, magnetometer, hall sensor, gyroscope
Security	Trusted Platform Module (TPM 2.0) Security Chip, fingerprint reader
Dimensions (WxDxH)	35.87 cm x 25.09 cm x 1.99 cm
Weight	1.8 kg
Localisation	Language: French, Dutch / region: Belgium
Environmental Standards	ENERGY STAR Qualified
Manufacturer Warranty	Limited warranty - parts and labour - 3 years   Limited warranty - battery - 3 years

## Extended Specification

### General

Product Type	Mobile workstation
Operating System	Windows 10 Pro (available through downgrade rights from Windows 11 Pro) + Windows 11 Pro Licence - Dutch / English / French / German

### Processor / Chipset

CPU	Intel Core i7 (12th Gen) 1255U / 1.7 GHz
Max Turbo Speed	4.7 GHz
Number of Cores	10-core
Cache	L3 - 12 MB
Features	Intel Turbo Boost Technology

### Memory

RAM	16 GB (1 x 16 GB)
Max RAM Supported	64 GB
Technology	DDR5 SDRAM
Speed	4800 MHz
Rated Speed	4800 MHz
Form Factor	SO-DIMM 262-pin
Slots Qty	2
Empty Slots	1

### Storage

Main Storage 512 GB SSD M.2 2280 PCIe 4.0 x4 - NVMe Express (NVMe), triple-level cell (TLC)

## Display

Type	16" - IPS
LCD Backlight Technology	WLED backlight
Resolution	1920 x 1200 (WUXGA)
V-Sync Rate at Max Res.	60 Hz
Widescreen	Yes
Image Aspect Ratio	16:10
Image Brightness	400 cd/m <sup>2</sup>
Colour Gamut	100% sRGB
Features	WUXGA ultra wide-viewing angle (UWVA) anti-glare eDP +PSR2
Keyboard Name	HP Premium

## Audio & Video

Multi-GPU Configuration	1 single GPU card / integrated GPU
Graphics Processor	NVIDIA T550 / Intel Iris Xe Graphics
Video Memory	4 GB GDDR6 SDRAM
Camera	Yes
Resolution	5 Megapixel
Camera Features	Privacy shutter, IR camera, Windows Hello, HP Auto Frame
Sound	Dual stereo speakers, HP World Facing Microphone / dual-array digital microphone
Codec	Realtek ALC3315
Compliant Standards	High Definition Audio
Audio Features	Bang & Olufsen Audio, discrete amplifiers

## Input

Type	Keyboard, ClickPad
Keyboard Backlight	Yes
Keyboard Layout	Belgium
Numeric Keypad	Yes
Features	Volume control, multi-touch clickpad, gesture function, precision touchpad, spill-resistant, DuraKeys

## Communications

Wireless	Bluetooth 5.2, 802.11a/b/g/n/ac/ax (Wi-Fi 6E)
Bluetooth Class	Class 2
Wireless Controller	Intel Wi-Fi 6E AX 211 - PCI Express Mini Card (M.2)
Features	Miracast, Wake-on-LAN (WOL), dual stream (2x2), CNVi
Compliant Standards	IEEE 802.11b, IEEE 802.11a, IEEE 802.11d, IEEE 802.11g, IEEE 802.11i, IEEE 802.11h, IEEE 802.11e, IEEE 802.11n, IEEE 802.11k, IEEE 802.11ac, IEEE 802.11r, IEEE 802.11v, IEEE 802.11ax, Wi-Fi CERTIFIED 6E

## Battery

Technology	3-cell lithium polymer
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Capacity	51.3 Wh
Run Time	Up to 12 hours

### AC Adapter

Input	AC 115/230 V (50/60 Hz)
Output	65 Watt, 5 / 9 / 12 / 15 / 20 V, 8 A

### Connections & Expansion

Interfaces	2 x USB4 (supports Thunderbolt 4, DisplayPort 1.4 Alt Mode) (Power Delivery, Sleep & Charge) USB 3.2 Gen 1 (charging) USB 3.2 Gen 1 HDMI Headphone/microphone combo jack
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### Software

Software Included	HP Support Assistant, HP Power Manager, HP Hotkey Support, HP Secure Erase, HP Drive Packs (free download), HP Client Catalogue (free download), HP MAC Address Manager, HP Manageability & Integration Kit (free download), HP Notifications, HP Connection Optimizer, HP Privacy Settings, HP Cloud Recovery, HP QuickDrop, HP Client Management Script Library (free download), HP BIOSphere Gen6, HP Wake on WLAN, Touchpoint Customiser for Commercial, HSA Fusion for Commercial, HSA Telemetry for Commercial, HP Image Assistant Gen5 (free download), HP Easy Clean, HP Smart Support (free download), HP Manageability Integration Kit (free download), HP Quick Touch
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### Miscellaneous

Integrated Options	Accelerometer, ambient light sensor, magnetometer, hall sensor, gyroscope
Security	Trusted Platform Module (TPM 2.0) Security Chip, fingerprint reader
Features	HP Automatic Drive Lock, HP DriveLock, HP Fast Charge, BIOS Update via Network
Theft/Intrusion Protection	Security lock slot (cable lock sold separately)
Security Slot Type	Kensington nano security slot
Included Accessories	HP 65 Watt nPFC USB-C AC Adapter
Compliant Standards	CSA, UL, VCCI, BSMI, GOST, SABS, CCC, FIPS 140-2 Level 2, FCC, RoHS, KCC, WEEE, A-Tick, ICES, Common Criteria EAL4+, CIT, low halogen, ICCP, MIL-STD 810H
Localization	Language:French, Dutch / region:Belgium

### Dimensions & Weight

Dimensions (WxDxH)	35.87 cm x 25.09 cm x 1.99 cm
Weight	1.8 kg

### Environmental Standards

ENERGY STAR Certified	Yes
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### Manufacturer Warranty

Service & Support	Limited warranty - parts and labour - 3 years Limited warranty - battery - 3 years
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### Environmental Parameters

Min Operating Temperature	0 °C
Max Operating Temperature	35 °C
Humidity Range Operating	10 - 90% (non-condensing)
Shock Tolerance (operating)	40 g @ 2 ms half-sine
Shock Tolerance (non-operating)	200 g @ 2 ms half-sine
Vibration Tolerance (operating)	0.75 g @ RMS (random)
Vibration Tolerance (non-operating)	1.5 g @ RMS (random)

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