# HP ZBook Firefly 16 G10 Intel® Core™ i7 i7-1355U Mobile workstation 40.6 cm (16") WUXGA 32 GB DDR5-SDRAM 1 TB SSD NVIDIA RTX A500 Wi-Fi 6E (802.11ax) Windows 11 Pro Grey

**Brand :** HP

**Product name :** 16 G10

**Product family:** ZBook Firefly

**Product code:** 866A2EA#ABH

HP ZBook Firefly 16 G10. Product type: Mobile workstation, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-1355U. Display diagonal: 40.6 cm (16"), HD type: WUXGA, Display resolution: 1920 x 1200 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, Discrete graphics card model: NVIDIA RTX A500. Operating system installed: Windows 11 Pro. Product colour: Grey

## Design

| | |
|---|---|
| Product type * | Mobile workstation |
| Product colour * | Grey |
| Form factor * | Clamshell |
| Market positioning | Performance |
| Introduction year | 2023 |

## Display

| | |
|---|---|
| Display diagonal * | 40.6 cm (16") |
| Display resolution * | 1920 x 1200 pixels |
| Touchscreen * | ✘ |
| HD type | WUXGA |
| Panel type | IPS |
| LED backlight | ✔ |
| Anti-glare screen | ✔ |
| Display brightness | 400 cd/m² |
| Display diagonal (metric) | 40.6 cm |
| RGB colour space | sRGB |
| Colour gamut | 100% |

## Processor

| | |
|---|---|
| Processor manufacturer * | Intel |
| Processor family * | Intel® Core™ i7 |
| Processor generation | 13th gen Intel® Core™ i7 |
| Processor model * | i7-1355U |
| Processor cores | 10 |
| Processor threads | 12 |
| Processor boost frequency | 5 GHz |
| Performance cores | 2 |
| Efficient cores | 8 |
| Performance-core Max Turbo Frequency | 5 GHz |
| Efficient-core Max Turbo Frequency | 3.7 GHz |
| Processor cache | 12 MB |
| Processor cache type | L3 |
| Configurable TDP-down | 12 W |
| Processor base power | 15 W |
| Maximum turbo power | 55 W |

## Memory

| | |
|---|---|
| Internal memory * | 32 GB |
| Internal memory type | DDR5-SDRAM |
| Memory clock speed | 5200 MHz |
| Memory form factor | SO-DIMM |
| Memory layout (slots x size) | 1 x 32 GB |

## Camera

| | |
|---|---|
| Front camera resolution (numeric) | 5 MP |
| Front camera HD type | HD |
| Infrared (IR) camera | ✔ |

## Network

| | |
|---|---|
| Wi-Fi | ✔ |
| 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 |
| Ethernet LAN | ✘ |
| 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 | 1 |

## Performance

| | |
|---|---|
| Motherboard chipset | Intel SoC |

## Keyboard

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

## Software

| | |
|---|---|
| Operating system installed * | Windows 11 Pro |

## Memory

| | |
|---|---|
| Memory slots | 2x SO-DIMM |
| Maximum internal memory * | 64 GB |
| ECC | ✘ |
| Non-ECC | ✔ |

## Storage

| | |
|---|---|
| Total storage capacity * | 1 TB |
| Storage media * | SSD |
| Total SSDs capacity | 1 TB |
| Number of SSDs installed | 1 |
| SSD capacity | 1 TB |
| SSD memory type | TLC |
| SSD interface | PCI Express |
| NVMe | ✔ |
| Optical drive type * | ✘ |

## Graphics

| | |
|---|---|
| Discrete GPU manufacturer | NVIDIA |
| Discrete graphics card model * | NVIDIA RTX A500 |
| Discrete graphics card memory | 4 GB |
| Discrete graphics memory type | GDDR6 |
| On-board graphics card * | ✔ |
| On-board GPU manufacturer | Intel |
| Discrete graphics card * | ✔ |
| On-board graphics card family | Intel Iris Xe Graphics |
| On-board graphics card model * | Intel Iris Xe Graphics |
| Number of discrete graphics cards | 1 |

## Audio

| | |
|---|---|
| Audio system | Bang & Olufsen |
| Built-in speaker(s) | ✔ |
| Number of built-in speakers | 2 |
| Built-in microphone | ✔ |
| Number of microphones | 2 |

## Camera

| | |
|---|---|
| Front camera | ✔ |

## Processor special features

| | |
|---|---|
| CPU configuration (max) | 1 |

## Brand-specific features

| | |
|---|---|
| HP Sure View | ✔ |
| HP speaker type | HP Dual Speakers |
| HP Connection Optimizer | ✔ |
| HP Support Assistant | ✔ |
| HP front camera | HP Webcam |
| HP segment | Business |

## Battery

| | |
|---|---|
| Battery technology | Lithium Polymer (LiPo) |
| Number of battery cells | 6 |
| Battery capacity * | 76 Wh |
| Fast charging | ✔ |
| Fast charging time (50%) | 30 min |

## Power

| | |
|---|---|
| AC adapter power | 65 W |
| AC adapter frequency | 50/60 Hz |
| AC adapter input voltage | 100 - 240 V |
| USB Power Delivery (USB PD) | ✔ |

## Security

| | |
|---|---|
| Fingerprint reader | ✔ |
| Smart card reader | ✔ |
| Trusted Platform Module (TPM) | ✔ |
| Password protection | ✔ |

## Certificates

| | |
|---|---|
| Low halogen | ✔ |

## Sustainability

| | |
|---|---|
| Sustainability compliance | ✔ |
| Sustainability certificates | TCO |

## Weight & dimensions

| | |
|---|---|
| Width | 358.7 mm |
| Depth | 250.9 mm |
| Height | 19.9 mm |
| Weight * | 1.72 kg |

## Packaging data

| | |
|---|---|
| Package width | 552 mm |
| Package depth | 69 mm |
| Package height | 345 mm |

## Packaging content

| | |
|---|---|
| Keyboard included | ✔ |

0198122541317

198122541317