



## HP ZBook Firefly G11 Intel Core Ultra 7 165H Mobile workstation 40.6 cm (16") WUXGA 32 GB DDR5-SDRAM 256 GB SSD Wi-Fi 6E (802.11ax) Windows 11 Pro Silver

**Brand :** HP

**Product family:** ZBook Firefly

**Product code:** A46WYUC#ABA

**Product name :** ZBook Firefly  
G11



- Windows 11 Pro
  - Intel Core Ultra 7 165H (24MB Cache)
  - 16" WUXGA 1920 x 1200
  - 32GB DDR5-SDRAM (2 x 16) & 256GB SSD
- Intel Core Ultra 7 165H (24MB Cache), 32GB DDR5-SDRAM, 256GB SSD, 16" WUXGA 1920 x 1200, Intel Arc Graphics, WLAN, Webcam, Windows 11 Pro



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### Step up performance. Not size

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

| Design                                       |                               | Graphics                                          |                      |
|----------------------------------------------|-------------------------------|---------------------------------------------------|----------------------|
| Product type *                               | Mobile workstation            | On-board graphics card *                          | ✓                    |
| Product colour *                             | Silver                        | On-board GPU manufacturer                         | Intel                |
| Form factor *                                | Clamshell                     | Discrete graphics card *                          | ✗                    |
| Market positioning                           | Performance                   | On-board graphics card family                     | Intel Arc Graphics   |
| Display                                      |                               | On-board graphics card model *                    | Intel Arc Graphics   |
| Display diagonal *                           | 40.6 cm (16")                 | Audio                                             |                      |
| Display resolution *                         | 1920 x 1200 pixels            | Number of built-in speakers                       | 2                    |
| Touchscreen *                                | ✗                             | Built-in microphone                               | ✓                    |
| HD type                                      | WUXGA                         | Camera                                            |                      |
| LED backlight                                | ✓                             | Front camera                                      | ✓                    |
| Native aspect ratio                          | 16:10                         | Front camera resolution (numeric)                 | 5 MP                 |
| Anti-glare screen                            | ✓                             | Infrared (IR) camera                              | ✓                    |
| Display brightness                           | 300 cd/m²                     | Network                                           |                      |
| RGB colour space                             | NTSC                          | Top Wi-Fi standard *                              | Wi-Fi 6E (802.11ax)  |
| Colour gamut                                 | 45%                           | Wi-Fi standards                                   | Wi-Fi 6E (802.11ax)  |
| Processor                                    |                               | Mobile network connection *                       | ✗                    |
| Processor manufacturer *                     | Intel                         | Antenna type                                      | 2x2                  |
| Processor family *                           | Intel Core Ultra 7            | WLAN controller model                             | Intel Wi-Fi 6E AX211 |
| Processor generation                         | Intel® Core™ Ultra (Series 1) | WLAN controller manufacturer                      | Intel                |
| Processor model *                            | 165H                          | Bluetooth                                         | ✓                    |
| Processor cores                              | 16                            | Bluetooth version                                 | 5.3                  |
| Processor threads                            | 22                            | Ports & interfaces                                |                      |
| Processor boost frequency                    | 5 GHz                         | USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 3                    |
| Performance cores                            | 6                             | HDMI ports quantity *                             | 1                    |
| Efficient cores                              | 8                             | HDMI version                                      | 2.1                  |
| Low Power Efficient-cores                    | 2                             | Thunderbolt 4 ports quantity                      | 2                    |
| Performance-core Max Turbo Frequency         | 5 GHz                         | Combo headphone/mic port                          | ✓                    |
| Efficient-core Max Turbo Frequency           | 3.8 GHz                       | Charging port type                                | USB Type-C           |
| Low Power Efficient-core Max Turbo Frequency | 2.5 GHz                       |                                                   |                      |

| Processor                               |                                         | Ports & interfaces                    |                      |
|-----------------------------------------|-----------------------------------------|---------------------------------------|----------------------|
| Performance-core base frequency         | 1.4 GHz                                 | USB Type-C DisplayPort Alternate Mode | ✓                    |
| Efficient-core base frequency           | 0.9 GHz                                 |                                       |                      |
| Low Power Efficient-core Base Frequency | 700 MHz                                 | Performance                           |                      |
| Processor cache                         | 24 MB                                   | Motherboard chipset                   | Intel SoC            |
| Processor cache type                    | Smart Cache                             | Keyboard                              |                      |
| Processor socket                        | BGA 2049                                | Pointing device                       | Clickpad             |
| Processor base power                    | 28 W                                    | Numeric keypad *                      | ✓                    |
| Maximum turbo power                     | 115 W                                   | Keyboard backlit                      | ✓                    |
| Neural processor unit (NPU)             |                                         | Spill-resistant keyboard              | ✓                    |
| Neural processor unit (NPU)             | Intel AI Boost                          | Full-size keyboard                    | ✓                    |
| Sparsity support                        | ✓                                       | Software                              |                      |
| Windows Studio effects support          | ✓                                       | Operating system installed *          | Windows 11 Pro       |
| AI software frameworks supported by NPU | DirectML, ONNX RT, OpenVINO, Windows ML | Brand-specific features               |                      |
| Total processor performance up to       | 34 TOPs                                 | HP speaker type                       | HP Dual Speakers     |
| NPU performance up to                   | 11 TOPs                                 | Battery                               |                      |
| GPU performance up to                   | 19 TOPs                                 | Battery technology                    | Lithium-Ion (Li-Ion) |
| Memory                                  |                                         | Number of battery cells               | 3                    |
| Internal memory *                       | 32 GB                                   | Battery capacity *                    | 56 Wh                |
| Internal memory type                    | DDR5-SDRAM                              | Fast charging                         | ✓                    |
| Memory form factor                      | SO-DIMM                                 | Fast charging time (50%)              | 30 min               |
| Memory layout (slots x size)            | 2 x 16 GB                               | Power                                 |                      |
| Memory slots                            | 2x SO-DIMM                              | AC adapter power                      | 65 W                 |
| Maximum internal memory *               | 64 GB                                   | USB Type-C charging port *            | ✓                    |
| Memory data transfer rate               | 5600 MT/s                               | USB Power Delivery (USB PD)           | ✓                    |
| Storage                                 |                                         | Security                              |                      |
| Total storage capacity *                | 256 GB                                  | Trusted Platform Module (TPM)         | ✓                    |
| Storage media *                         | SSD                                     | Trusted Platform Module (TPM) version | 2.0                  |
| Total SSDs capacity                     | 256 GB                                  | Sustainability                        |                      |
| Number of SSDs installed                | 1                                       | Sustainability certificates           | ENERGY STAR          |
| SSD capacity                            | 256 GB                                  | Weight & dimensions                   |                      |
| SSD interface                           | PCI Express                             | Width                                 | 358.7 mm             |
| NVMe                                    | ✓                                       | Depth                                 | 251.3 mm             |
| Optical drive type *                    | ✗                                       | Height                                | 19.2 mm              |
| Graphics                                |                                         | Weight *                              | 1.79 kg              |
| Discrete graphics card model *          | Not available                           | Packaging data                        |                      |
|                                         |                                         | Package width                         | 552 mm               |
|                                         |                                         | Package depth                         | 69 mm                |
|                                         |                                         | Package height                        | 345 mm               |
|                                         |                                         | Packaging content                     |                      |
|                                         |                                         | AC adapter included *                 | ✓                    |



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