



## HP EliteBook X Nicht kategorisiert Copilot+ PC Intel Core Ultra 5 228V Laptop 35.6 cm (14") WUXGA 32 GB LPDDR5x-SDRAM 512 GB SSD Wi-Fi 7 (802.11be) Windows 11 Pro Blue

**Brand :** HP

**Product family:** EliteBook

**Product code:** B66TPAT#ABB

**Product name :** Nicht kategorisiert



HP EliteBook X Nicht kategorisiert. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 5, Processor model: 228V. Display diagonal: 35.6 cm (14"), HD type: WUXGA, Display resolution: 1920 x 1200 pixels. Internal memory: 32 GB, Internal memory type: LPDDR5x-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel Arc Graphics. Operating system installed: Windows 11 Pro. Product colour: Blue. Weight: 1.18 kg

| Design                    |                             | Camera                                            |                     |
|---------------------------|-----------------------------|---------------------------------------------------|---------------------|
| Colour name               | Atmospheric blue            | Front camera                                      | ✓                   |
| Product type *            | Laptop                      | Front camera resolution (numeric)                 | 5 MP                |
| Product colour *          | Blue                        | Infrared (IR) camera                              | ✓                   |
| Form factor *             | Clamshell                   | Network                                           |                     |
| Market positioning        | Premium                     | Wi-Fi                                             | ✓                   |
| Introduction year         | 2025                        | Top Wi-Fi standard *                              | Wi-Fi 7 (802.11be)  |
| Country of origin         | China, Thailand             | Wi-Fi standards                                   | Wi-Fi 7 (802.11be)  |
| Original brand name       | HP                          | Mobile network connection *                       | ✗                   |
| Display                   |                             | Antenna type                                      | 2x2                 |
| Display diagonal *        | 35.6 cm (14")               | WLAN controller model                             | Intel Wi-Fi 7 BE201 |
| Display resolution *      | 1920 x 1200 pixels          | WLAN controller manufacturer                      | Intel               |
| Touchscreen *             | ✗                           | Bluetooth                                         | ✓                   |
| HD type                   | WUXGA                       | Bluetooth version                                 | 5.4                 |
| Panel type                | IPS                         | Near Field Communication (NFC)                    | ✓                   |
| Anti-glare screen         | ✓                           | Ports & interfaces                                |                     |
| Display brightness        | 400 cd/m²                   | USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 1                   |
| Display diagonal (metric) | 35.6 cm                     | USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity   | 1                   |
| RGB colour space          | sRGB                        | USB4 Gen 3x2 ports quantity                       | 2                   |
| Colour gamut              | 100%                        | HDMI ports quantity *                             | 1                   |
| sRGB coverage (typical)   | 100%                        | HDMI version                                      | 2.1                 |
| Processor                 |                             | Thunderbolt 4 ports quantity                      | 2                   |
| Processor manufacturer *  | Intel                       | Intel® Thunderbolt 4                              | ✓                   |
| Processor family *        | Intel Core Ultra 5          | Microphone in                                     | ✓                   |
| Processor generation      | Intel Core Ultra (Series 2) | Combo headphone/mic port                          | ✓                   |
| Processor model *         | 228V                        | USB Type-C DisplayPort Alternate Mode             | ✓                   |
| Processor cores           | 8                           | USB Sleep-and-Charge                              | ✓                   |
| Processor threads         | 8                           | USB Sleep-and-Charge ports                        | 2                   |
| Processor boost frequency | 4.5 GHz                     |                                                   |                     |
| Performance cores         | 4                           |                                                   |                     |
| Low Power Efficient-cores | 4                           |                                                   |                     |

| Processor                                    |                                                | Performance                            |                                                                                                                                                                                                                                                                      |
|----------------------------------------------|------------------------------------------------|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Performance-core Max Turbo Frequency         | 4.5 GHz                                        | Ambient light sensor                   | ✓                                                                                                                                                                                                                                                                    |
| Low Power Efficient-core Max Turbo Frequency | 3.5 GHz                                        | Gyroscope                              | ✓                                                                                                                                                                                                                                                                    |
| Performance-core base frequency              | 2.1 GHz                                        | Temperature sensor                     | ✓                                                                                                                                                                                                                                                                    |
| Low Power Efficient-core Base Frequency      | 2100 MHz                                       | Hall sensor                            | ✓                                                                                                                                                                                                                                                                    |
| Processor cache                              | 8 MB                                           | Repairability index                    | 6.8                                                                                                                                                                                                                                                                  |
| Processor cache type                         | L3                                             | Keyboard                               |                                                                                                                                                                                                                                                                      |
| Processor base power                         | 17 W                                           | Pointing device                        | Clickpad                                                                                                                                                                                                                                                             |
| Maximum turbo power                          | 37 W                                           | Numeric keypad *                       | ✗                                                                                                                                                                                                                                                                    |
| Neural processor unit (NPU)                  |                                                | Keyboard backlit                       | ✓                                                                                                                                                                                                                                                                    |
| Copilot+ PC                                  | ✓                                              | Spill-resistant keyboard               | ✓                                                                                                                                                                                                                                                                    |
| Neural processor unit (NPU)                  | Intel AI Boost                                 | Full-size keyboard                     | ✓                                                                                                                                                                                                                                                                    |
| Sparsity support                             | ✓                                              | Input device model                     | HP Premium Keyboard                                                                                                                                                                                                                                                  |
| Windows Studio effects support               | ✓                                              | Keyboard colour name                   | Atmospheric blue                                                                                                                                                                                                                                                     |
| AI software frameworks supported by NPU      | DirectML, OpenVINO, Windows ML, ONNX RT, WebNN | Software                               |                                                                                                                                                                                                                                                                      |
| Total processor performance up to            | 97 TOPs                                        | Operating system installed *           | Windows 11 Pro                                                                                                                                                                                                                                                       |
| NPU performance up to                        | 40 TOPs                                        | Processor special features             |                                                                                                                                                                                                                                                                      |
| GPU performance up to                        | 53 TOPs                                        | Intel® Turbo Boost Technology          | ✓                                                                                                                                                                                                                                                                    |
| Memory                                       |                                                | Brand-specific features                |                                                                                                                                                                                                                                                                      |
| Internal memory *                            | 32 GB                                          | HP speaker type                        | HP Quad Speakers                                                                                                                                                                                                                                                     |
| Internal memory type                         | LPDDR5x-SDRAM                                  | HP Connection Optimizer                | ✓                                                                                                                                                                                                                                                                    |
| Memory clock speed                           | 8533 MHz                                       | HP Support Assistant                   | ✓                                                                                                                                                                                                                                                                    |
| Memory form factor                           | On-board                                       | HP segment                             | Business                                                                                                                                                                                                                                                             |
| Memory layout (slots x size)                 | Not available                                  | Battery                                |                                                                                                                                                                                                                                                                      |
| Maximum internal memory *                    | 32 GB                                          | Battery technology                     | Lithium Polymer (LiPo)                                                                                                                                                                                                                                               |
| Memory data transfer rate                    | 8533 MT/s                                      | Number of battery cells                | 3                                                                                                                                                                                                                                                                    |
| Storage                                      |                                                | Battery capacity *                     | 56 Wh                                                                                                                                                                                                                                                                |
| Total storage capacity *                     | 512 GB                                         | Power                                  |                                                                                                                                                                                                                                                                      |
| Storage media *                              | SSD                                            | AC adapter power                       | 65 W                                                                                                                                                                                                                                                                 |
| Total SSDs capacity                          | 512 GB                                         | AC adapter frequency                   | 50 - 60 Hz                                                                                                                                                                                                                                                           |
| Number of SSDs installed                     | 1                                              | AC adapter input voltage               | 100 - 240 V                                                                                                                                                                                                                                                          |
| SSD capacity                                 | 512 GB                                         | USB Type-C charging port *             | ✓                                                                                                                                                                                                                                                                    |
| SSD interface                                | PCI Express                                    | USB Power Delivery (USB PD)            | ✓                                                                                                                                                                                                                                                                    |
| NVMe                                         | ✓                                              | Security                               |                                                                                                                                                                                                                                                                      |
| SSD form factor                              | M.2                                            | Password protection                    | ✓                                                                                                                                                                                                                                                                    |
| Optical drive type *                         | ✗                                              | Password protection type               | BIOS, Power on                                                                                                                                                                                                                                                       |
| Graphics                                     |                                                | Certificates                           |                                                                                                                                                                                                                                                                      |
| Discrete graphics card model *               | Not available                                  | Compliance certificates                | CCC, RoHS, CE, BSMI                                                                                                                                                                                                                                                  |
| On-board graphics card *                     | ✓                                              | Sustainability                         |                                                                                                                                                                                                                                                                      |
| On-board GPU manufacturer                    | Intel                                          | Sustainability compliance              | ✓                                                                                                                                                                                                                                                                    |
| Discrete graphics card *                     | ✗                                              | Sustainability certificates            | ENERGY STAR, EPEAT, TCO, TCO10                                                                                                                                                                                                                                       |
| On-board graphics card family                | Intel Arc Graphics                             | Sustainable technologies and materials | At least 90% recycled metal; HP paper-based packaging is from recycled or certified sources; At least 35% post-consumer recycled plastic; At least 30% ocean-bound plastic; At least 50% ocean-bound plastic in fan enclosure; Low halogen; Bulk packaging available |
| On-board graphics card model *               | Intel Arc Graphics                             |                                        |                                                                                                                                                                                                                                                                      |
| Audio                                        |                                                | Weight & dimensions                    |                                                                                                                                                                                                                                                                      |
| Built-in speaker(s)                          | ✓                                              | Width                                  | 313.9 mm                                                                                                                                                                                                                                                             |
| Number of built-in speakers                  | 4                                              | Depth                                  | 219.9 mm                                                                                                                                                                                                                                                             |
| Built-in microphone                          | ✓                                              | Height (front)                         | 1.05 cm                                                                                                                                                                                                                                                              |
| Number of microphones                        | 2                                              | Height (rear)                          | 1.49 cm                                                                                                                                                                                                                                                              |
|                                              |                                                | Weight *                               | 1.18 kg                                                                                                                                                                                                                                                              |

| Packaging content     |          |
|-----------------------|----------|
| AC adapter included * | ✓        |
| Keyboard included     | ✓        |
| Other features        |          |
| UNSPSC-code           | 43211503 |



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