# HP

## HP EliteBook 840 G9 Intel® Core™ i7 i7-1255U Laptop 35.6 cm (14") WUXGA 16 GB DDR5-SDRAM 512 GB SSD Wi-Fi 6E (802.11ax) Windows 11 Pro Silver

**Brand :** HP

**Product family:** EliteBook

**Product code:** 6T1D9EA#ABH

**Product name :** 840 G9

HP EliteBook 840 G9. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-1255U. 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. Weight: 1.36 kg

### Design

| | |
|---|---|
| Product type * | Laptop |
| Product colour * | Silver |
| Form factor * | Clamshell |
| Market positioning | Premium |
| Introduction year | 2022 |
| Country of origin | China |
| Original brand name | HP |

### Display

| | |
|---|---|
| Display diagonal * | 35.6 cm (14") |
| Display resolution * | 1920 x 1200 pixels |
| Touchscreen * | ✘ |
| HD type | WUXGA |
| Panel type | IPS |
| Anti-glare screen | ✔ |
| Display brightness | 400 cd/m² |
| 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 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 |

### Network

| | |
|---|---|
| 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 | 2.0 |
| USB Type-C DisplayPort Alternate Mode | ✔ |

### Keyboard

| | |
|---|---|
| Keyboard special features | Étanche |
| Pointing device | Clickpad |
| Numeric keypad * | ✘ |
| Keyboard backlit | ✔ |
| Spill-resistant keyboard | ✔ |
| Keyboard layout | QWERTY |
| Input device model | Clavier HP Premium |

### Software

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

### Processor special features

| | |
|---|---|
| Intel Flex Memory Access | ✔ |
| Intel Trusted Execution Technology | ✔ |
| Intel VT-x with Extended Page Tables (EPT) | ✔ |
| Execute Disable Bit | ✔ |
| CPU configuration (max) | 1 |
| Embedded options available | ✘ |
| Intel Virtualization Technology for Directed I/O (VT-d) | ✔ |
| Intel Virtualization Technology (VT-x) | ✔ |

## Memory

| | |
|---|---|
| Memory form factor | SO-DIMM |
| Memory layout (slots x size) | 1 x 16 GB |
| Memory slots | 2x SO-DIMM |
| Number of free internal memory expansion slots | 1 |
| ECC | ✘ |
| Non-ECC | ✔ |

## Storage

| | |
|---|---|
| Total storage capacity * | 512 GB |
| Storage media * | SSD |
| Total SSDs capacity | 512 GB |
| Number of SSDs installed | 1 |
| SSD capacity | 512 GB |
| SSD interface | PCI Express |
| NVMe | ✔ |
| Optical drive type * | ✘ |

## Graphics

| | |
|---|---|
| Discrete graphics card model * | Not available |
| 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 |

## Audio

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

## Camera

| | |
|---|---|
| Front camera | ✔ |
| Front camera resolution (numeric) | 5 MP |

## 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 |

## Brand-specific features

| | |
|---|---|
| HP Connection Optimizer | ✔ |
| HP Support Assistant | ✔ |
| HP segment | Business |

## Battery

| | |
|---|---|
| Battery technology | Lithium Polymer (LiPo) |
| Number of battery cells | 3 |
| Battery capacity * | 38 Wh |

## Power

| | |
|---|---|
| AC adapter power | 65 W |
| AC adapter frequency | 50 - 60 Hz |
| AC adapter input voltage | 100 - 240 V |
| USB Type-C charging port * | ✔ |
| USB Power Delivery (USB PD) | ✔ |

## Security

| | |
|---|---|
| Fingerprint reader | ✔ |
| Trusted Platform Module (TPM) | ✔ |
| Trusted Platform Module (TPM) version | 2.0 |
| Password protection | ✔ |
| Password protection type | BIOS, Power on, User |

## Certificates

| | |
|---|---|
| Low halogen | ✔ |
| Compliance certificates | GS mark |

## Sustainability

| | |
|---|---|
| Sustainability compliance | ✔ |
| Sustainability certificates | ENERGY STAR, TCO |

## Weight & dimensions

| | |
|---|---|
| Width | 315.6 mm |
| Depth | 224 mm |
| Height | 19.2 mm |
| Weight * | 1.36 kg |

## Packaging data

| | |
|---|---|
| Package width | 69 mm |
| Package depth | 449 mm |
| Package height | 305 mm |

## Packaging content

| | |
|---|---|
| Stylus pen | ✘ |

## Other features

| | |
|---|---|
| Number of speakers | 2 |

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