# HP

# HP EliteBook Revolve 810 G2 Intel® Core™ i7 i7-4600U Laptop 29,5 cm (11.6") Touchscreen 8 GB DDR3L-SDRAM 256 GB SSD Wi-Fi 4 (802.11n) Windows 7 Professional Silver
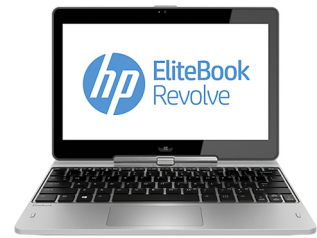
**Brand :** HP

**Product family:** EliteBook Revolve

**Product code:** G5G54UC

**Product name :** 810 G2

Intel Core i7-4600U (2.1GHz, 4MB), 11.6" LED anti-glare HD UWVA Touch (1366 x 768), 8GB DDR3L SDRAM, 256GB M.2 SSD, Intel HD Graphics 4400, 802.11a/b/g/n, Bluetooth 4.0, webcam, Windows 7 Professional 64 / Windows 8.1 Pro 64

HP EliteBook Revolve 810 G2. Product type: Laptop, Form factor: Convertible (Swivel). Processor family: Intel® Core™ i7, Processor model: i7-4600U, Processor frequency: 2,1 GHz. Display diagonal: 29,5 cm (11.6"), Display resolution: 1366 x 768 pixels, Touchscreen. Internal memory: 8 GB, Internal memory type: DDR3L-SDRAM. Total storage capacity: 256 GB, Storage media: SSD. On-board graphics card model: Intel® HD Graphics 4400. Operating system installed: Windows 7 Professional. Product colour: Silver

## Design

| | |
|---|---|
| Product type * | Laptop |
| Product colour * | Silver |
| Form factor * | Convertible (Swivel) |
| Country of origin | China |

## Display

| | |
|---|---|
| Display diagonal * | 29,5 cm (11.6") |
| Display resolution * | 1366 x 768 pixels |
| Touchscreen * | ✔ |
| LED backlight | ✔ |
| Native aspect ratio | 16:9 |

## Processor

| | |
|---|---|
| Processor manufacturer * | Intel |
| Processor family * | Intel® Core™ i7 |
| Processor generation | 4th gen Intel® Core™ i7 |
| Processor model * | i7-4600U |
| Processor cores | 2 |
| Processor threads | 4 |
| Processor boost frequency | 3,3 GHz |
| Processor frequency * | 2,1 GHz |
| System bus rate | 5 GT/s |
| Processor cache | 4 MB |
| Processor cache type | Smart Cache |
| Processor socket | BGA 1168 |
| Processor lithography | 22 nm |
| Processor operating modes | 64-bit |
| Processor series | Intel Core i7-4600 Mobile series |
| Processor codename | Haswell |
| Bus type | DMI2 |
| FSB Parity | ✗ |
| Stepping | D0 |
| Thermal Design Power (TDP) | 15 W |
| Tjunction | 100 °C |

## Software

| | |
|---|---|
| Operating system architecture | 64-bit |
| Recovery operating system | Windows 8.1 Pro |
| Operating system installed * | Windows 7 Professional |

## Processor special features

| | |
|---|---|
| Intel® Wireless Display (Intel® WiDi) | ✔ |
| Intel® My WiFi Technology (Intel® MWT) | ✗ |
| Intel Smart Connect Technology | ✔ |
| Intel® Anti-Theft Technology (Intel® AT) | ✔ |
| Intel® Smart Response Technology | ✔ |
| Intel® Identity Protection Technology (Intel® IPT) | ✔ |
| Intel® Hyper Threading Technology (Intel® HT Technology) | ✔ |
| Intel® Turbo Boost Technology | 2.0 |
| Intel® Small Business Advantage (Intel® SBA) | ✔ |
| Intel® High Definition Audio (Intel® HD Audio) | ✔ |
| Enhanced Intel SpeedStep Technology | ✔ |
| Intel® Clear Video HD Technology (Intel® CVT HD) | ✔ |
| Intel Clear Video Technology | ✗ |
| Intel® InTru™ 3D Technology | ✔ |
| Intel® Insider™ | ✔ |
| Intel® Quick Sync Video Technology | ✔ |
| Intel Flex Memory Access | ✗ |
| Intel® Smart Cache | ✔ |
| Intel® AES New Instructions (Intel® AES-NI) | ✔ |
| Intel Trusted Execution Technology | ✔ |
| Intel Enhanced Halt State | ✔ |

## Processor

| | |
|---|---|
| Maximum number of PCI Express lanes | 12 |
| PCI Express slots version | 2.0 |
| PCI Express configurations | 4x1, 2x4 |
| ECC supported by processor | ✗ |

## Memory

| | |
|---|---|
| Internal memory * | 8 GB |
| Internal memory type | DDR3L-SDRAM |

## Storage

| | |
|---|---|
| Total storage capacity * | 256 GB |
| Storage media * | SSD |
| Total SSDs capacity | 256 GB |
| Number of SSDs installed | 1 |
| SSD capacity | 256 GB |
| Optical drive type * | ✗ |
| Card reader integrated | ✔ |
| Compatible memory cards | MicroSD (TransFlash) |

## Graphics

| | |
|---|---|
| Discrete graphics card model * | Not available |
| On-board graphics card * | ✔ |
| Discrete graphics card * | ✗ |
| On-board graphics card family | Intel® HD Graphics |
| On-board graphics card model * | Intel® HD Graphics 4400 |
| On-board graphics card base frequency | 200 MHz |
| On-board graphics card dynamic frequency (max) | 1100 MHz |
| Maximum on-board graphics card memory | 1,74 GB |
| On-board graphics card DirectX version | 11.2/12 |
| On-board graphics card OpenGL version | 4.3 |
| On-board graphics card ID | 0xA16 |

## Audio

| | |
|---|---|
| Audio system | DTS Studio Sound |
| Number of built-in speakers | 2 |
| Built-in microphone | ✔ |

## Camera

| | |
|---|---|
| Front camera | ✔ |

## Network

| | |
|---|---|
| Wi-Fi | ✔ |
| Top Wi-Fi standard * | Wi-Fi 4 (802.11n) |
| Wi-Fi standards | 802.11a, 802.11b, 802.11g |
| Ethernet LAN | ✔ |
| Bluetooth | ✔ |
| Bluetooth version | 4.0 |

## Ports & interfaces

| | |
|---|---|
| USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 2 |
| Ethernet LAN (RJ-45) ports | 1 |
| DisplayPorts quantity | 1 |
| DVI port | ✗ |
| S/PDIF out port | ✗ |
| Microphone in | ✗ |
| Combo headphone/mic port | ✔ |
| Docking connector | ✔ |

## Processor special features

| | |
|---|---|
| Intel VT-x with Extended Page Tables (EPT) | ✔ |
| Intel Demand Based Switching | ✗ |
| Intel® Secure Key | ✔ |
| Intel TSX-NI | ✗ |
| Intel Stable Image Platform Program (SIPP) | ✔ |
| Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID) | ✗ |
| Intel 64 | ✔ |
| Execute Disable Bit | ✔ |
| Idle States | ✔ |
| Thermal Monitoring Technologies | ✔ |
| Processor package size | 40 x 24 x 1.5 mm |
| Supported instruction sets | AVX 2.0, SSE4.1, SSE4.2 |
| Processor code | SR1EA |
| CPU configuration (max) | 1 |
| Embedded options available | ✗ |
| Intel Virtualization Technology for Directed I/O (VT-d) | ✔ |
| Intel Smart Connect Technology version | 1,00 |
| Intel Identity Protection Technology version | 1,00 |
| Intel Smart Response Technology version | 1,00 |
| Intel Stable Image Platform Program (SIPP) version | 1,00 |
| Intel Secure Key Technology version | 1,00 |
| Intel Small Business Advantage (SBA) version | 1,00 |
| Intel ME Firmware Version | 9.5 |
| Intel TSX-NI version | 0,00 |
| Intel Virtualization Technology (VT-x) | ✔ |
| Intel Dual Display Capable Technology | ✗ |
| Intel FDI Technology | ✔ |
| Intel Rapid Storage Technology | ✔ |
| Intel Fast Memory Access | ✗ |
| Processor ARK ID | 76616 |
| Conflict-Free processor | ✔ |

## Battery

| | |
|---|---|
| Battery technology | Lithium Polymer (LiPo) |
| Number of battery cells | 6 |
| Battery capacity * | 44 Wh |

## Power

| | |
|---|---|
| AC adapter power | 45 W |
| DC-in jack | ✔ |

## Security

| | |
|---|---|
| Cable lock slot | ✔ |

## Weight & dimensions

| | |
|---|---|
| Width | 285 mm |
| Depth | 212 mm |
| Height | 22,2 mm |
| Weight * | 1,4 kg |

## Other features

| | |
|---|---|
| LightScribe | ✗ |

| Ports & interfaces | |
|---|---|
| ExpressCard slot | ✘ |
| CardBus PCMCIA slot type | ✘ |
| SmartCard slot | ✘ |
| Number of SATA III connectors | 4 |
| **Performance** | |
| Motherboard chipset | Intel® QM87 |
| **Keyboard** | |
| Pointing device | Touchpad |
| Numeric keypad * | ✘ |