⊂T1A

# T1A HP EliteBook 850 G1 Refurbished Intel® Core™ i7 i7-4600U Laptop 39.6 cm (15.6") HD 8 GB DDR3L-SDRAM 240 GB SSD Windows 10 Pro Grey, Silver

**Brand :** T1A

**Product code:** L-EB850G1-UK-T011

**Product name :** HP EliteBook 850 G1 Refurbished

- Windows 10 Pro 64-bit
- Intel Core i7-4600U (4MB Cache, 2.1GHz)
- 39.6 cm (15.6") HD 1366 x 768
- 8GB (1600MHz) DDR3L-SDRAM & 240GB SSD

Intel Core i7-4600U (4MB Cache, 2.1GHz), 8GB DDR3L-SDRAM, 240GB SSD, 39.6 cm (15.6") HD 1366 x 768, Intel HD Graphics 4400, LAN, Webcam, Windows 10 Pro 64-bit

T1A HP EliteBook 850 G1 Refurbished. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-4600U, Processor frequency: 2.1 GHz. Display diagonal: 39.6 cm (15.6"), HD type: HD, Display resolution: 1366 x 768 pixels. Internal memory: 8 GB, Internal memory type: DDR3L-SDRAM. Total storage capacity: 240 GB, Storage media: SSD. On-board graphics card model: Intel® HD Graphics 4400. Operating system installed: Windows 10 Pro. Product colour: Grey, Silver

## Design

| | |
|---|---|
| Product type * | Laptop |
| Product colour * | Grey, Silver |
| Form factor * | Clamshell |
| Market positioning | Business |
| Refurbished | ✓ |

## Display

| | |
|---|---|
| Display diagonal * | 39.6 cm (15.6") |
| Display resolution * | 1366 x 768 pixels |
| Touchscreen * | ✘ |
| HD type | HD |
| 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 |
| Stepping | D0 |
| Thermal Design Power (TDP) | 15 W |

## Keyboard

| | |
|---|---|
| Spill-resistant keyboard | ✓ |
| Full-size keyboard | ✓ |

## Software

| | |
|---|---|
| Operating system architecture | 64-bit |
| Operating system installed * | Windows 10 Pro |

## Processor special features

| | |
|---|---|
| Intel® Wireless Display (Intel® WiDi) | ✓ |
| 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® InTru™ 3D Technology | ✓ |
| Intel® Insider™ | ✓ |
| Intel® Quick Sync Video Technology | ✓ |
| Intel® Smart Cache | ✓ |
| Intel® AES New Instructions (Intel® AES-NI) | ✓ |
| Intel Trusted Execution Technology | ✓ |
| Intel Enhanced Halt State | ✓ |

## Processor

| | |
|---|---|
| Tjunction | 100 °C |
| Maximum number of PCI Express lanes | 12 |
| PCI Express slots version | 2.0 |
| PCI Express configurations | 4x1, 2x4 |

## Memory

| | |
|---|---|
| Internal memory * | 8 GB |
| Internal memory type | DDR3L-SDRAM |
| Memory clock speed | 1600 MHz |
| Memory slots | 2x SO-DIMM |
| Maximum internal memory * | 16 GB |

## Storage

| | |
|---|---|
| Total storage capacity * | 240 GB |
| Storage media * | SSD |
| Total SSDs capacity | 240 GB |
| Number of SSDs installed | 1 |
| SSD capacity | 240 GB |
| Optical drive type * | ✘ |
| Card reader integrated | ✔ |
| Compatible memory cards | SD |

## Graphics

| | |
|---|---|
| Discrete graphics card model * | Not available |
| On-board graphics card * | ✔ |
| On-board GPU manufacturer | Intel |
| Discrete graphics card * | ✘ |
| 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 | ✔ |
| Front camera HD type | HD |

## Network

| | |
|---|---|
| Ethernet LAN | ✔ |
| Ethernet LAN data rates | 10,100,1000 Mbit/s |

## Ports & interfaces

| | |
|---|---|
| USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 4 |
| Ethernet LAN (RJ-45) ports | 1 |
| DisplayPorts quantity | 1 |
| VGA (D-Sub) ports quantity | 1 |
| Combo headphone/mic port | ✔ |
| Docking connector | ✔ |

## Keyboard

| | |
|---|---|
| Pointing device | Touchpad |
| Keyboard language | UK English |

## Processor special features

| | |
|---|---|
| Intel VT-x with Extended Page Tables (EPT) | ✔ |
| Intel® Secure Key | ✔ |
| Intel TSX-NI | ✘ |
| Intel Stable Image Platform Program (SIPP) | ✔ |
| 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 FDI Technology | ✔ |
| Intel Rapid Storage Technology | ✔ |
| Processor ARK ID | 76616 |
| Conflict-Free processor | ✔ |

## Battery

| | |
|---|---|
| Number of battery cells | 3 |

## Power

| | |
|---|---|
| AC adapter power | 45 W |
| AC adapter frequency | 50 - 60 Hz |
| AC adapter input voltage | 120 - 230 V |

## Security

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

## Weight & dimensions

| | |
|---|---|
| Width | 375 mm |
| Depth | 253 mm |
| Height | 21.4 mm |
| Weight * | 1.88 kg |

## Keyboard

Numeric keypad *      ✓

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