

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

Thermal Design Power (TDP)

15 W

- 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		Keyboard	
Product type *	Laptop	Spill-resistant keyboard	✓
Product colour *	Grey, Silver	Full-size keyboard	✓
Form factor *	Clamshell	Software	
Market positioning	Business	Operating system architecture	64-bit
Refurbished	✓	Operating system installed *	Windows 10 Pro
Display		Processor special features	
Display diagonal *	39.6 cm (15.6")	•	
Display resolution *	1366 x 768 pixels	Intel® Wireless Display (Intel® WiDi)	✓
Touchscreen *	×	Intel Smart Connect Technology	1
HD type	HD	Intel® Anti-Theft Technology	/
LED backlight	✓	(Intel® AT)	v
Native aspect ratio	16:9	Intel® Smart Response Technology	1
Processor		Intel® Identity Protection Technology (Intel® IPT)	✓
Processor manufacturer *	Intel	Intel® Hyper Threading Technology	,
Processor family *	Intel® Core™ i7	(Intel® HT Technology)	•
Processor generation	4th gen Intel® Core™ i7	Intel® Turbo Boost Technology	2.0
Processor model *	i7-4600U	Intel® Small Business Advantage	1
Processor cores	2	(Intel® SBA)	
Processor threads	4	Intel® High Definition Audio (Intel® HD Audio)	✓
Processor boost frequency	3.3 GHz	Enhanced Intel SpeedStep	
Processor frequency *	2.1 GHz	Technology	✓
System bus rate	5 GT/s	Intel® Clear Video HD Technology	1
Processor cache	4 MB	(Intel® CVT HD)	•
Processor cache type	Smart Cache	Intel® InTru™ 3D Technology	✓
Processor socket	BGA 1168	Intel® Insider™	✓
Processor lithography	22 nm	Intel® Quick Sync Video Technology	1
Processor operating modes	64-bit	Intel® Smart Cache	✓
Processor series	Intel Core i7-4600 Mobile series	Intel® AES New Instructions (Intel®	1
Processor codename	Haswell	AES-NI)	
Bus type	DMI2	Intel Trusted Execution Technology	V
Stepping	D0	Intel Enhanced Halt State	✓
The second Decision Decision (TDD)	4 F 144		

Tunction	Processor		Processor special features	
Maximum number of PCI Express 12 Indies Secure Key	Tjunction	100 °C	<u> </u>	1
PCI Express solds version 2.0 Intel TSANE will perform program y (SPP) X Memory V Intel 6 a linemal memory will perform program y (SPP) X X Memory york perform york york york perform york york york perform york perform york york york york york york york york	· .	12		
Mamory M		2.0	•	
Memory	PCI Express configurations		Intel Stable Image Platform Program	**
Internal memory type	•			✓
Memory clock speed 1600 MHz Thermal Monitoring Technologies 40 x 24 x 1.5 mm Memory slots 2 k 50 DIMM Processor package size 40 x 24 x 1.5 mm Maximum internal memory 16 GB Supported instruction ests AWX 2.0, SSE4.1, SSE4.2 Storage Processor code SRIEA Storage media* 240 GB Embedded options available X Total Storage capacity 240 GB Embedded options available X United Storage Control 240 GB Intel Strant Connect Technology 1,00 SSD capacity 240 GB Intel Strant Connect Technology 1,00 Card reader integrated X Intel Identity Protection Technology 1,00 Card reader integrated X Intel Identity Protection Technology 1,00 Graphics X Intel Identity Protection Technology 1,00 Graphics X Intel Identity Protection Technology 1,00 Graphics Intel Identity Protection Technology 1,00 Graphics and model Intel 8 mark Repose Technology version 1,00 On-board graphic	•		Execute Disable Bit	✓
Memory offors 2x SO-DIMM Processor package size 40 x 24 x 1.5 mm Maximum Internal memory* 168 B8 Supported instruction sets AVX 2.0 SER 1, SSE 41, SSE 42, SSE 41 Storage Total storage capacity* 240 G8 CPU configuration (max) 1 Total SSDs capacity 240 G8 CPU configuration (max) 1 Number of SSDs installed 1 Intel Similar Connect Technology revision 2 Optical drive type* 240 G8 Intel Similar Connect Technology version 1,00 Optical drive type* 240 G8 Intel Similar Connect Technology version 1,00 Optical drive type* 240 G8 Intel Similar Connect Technology version 1,00 Card reader integrated 4 (SPP) version 1,00 Card reader integrated 4 (SPP) version 1,00 On-board graphics card model** Not available (SPP) version 1,00 On-board graphics card wide Intel Br (Graphics S440) Intel Secure Key Technology version 1,00 On-board graphics card byse 1 1 1,00 1,00 1,00				
Maximum internal memory.** 16 GB Supported instruction sets AVX 2.0, SSE4.1, SSE4.2 Storage Processor code SRIEA Total storage capacity** 240 GB CPU configuration (max) 1 Storage media** SSD Embedded options available in the processor of the proces			•	•
Storage Storage CPU configuration (max) STEA Total storage capacity* 240 GB CPU configuration (max) 1 Storage media* SSD Embedded options available X Total SSDs capacity 240 GB Intel Virtualization Technology or UPT-0 V Number of SSDs installed 1 Intel Smart Connect Technology version 1.00 Optical drive type* X Intel Identity Protection Technology version 1.00 Compatible memory cards SD Intel Smart Response Technology version 1.00 Compatible memory cards Not available (SPP) version 1.00 Discrete graphics card model* Not available (SPP) version 1.00 On-band graphics card √ Intel Smart Response Technology version 1.00 Discrete graphics card model* Not available (SPA) version 1.00 On-band graphics card model* Not available Intel Smart Response Technology version 1.00 Discrete graphics card model* Not available Intel Smart Response Ver Technology version 1.00 On-band graphics card b	Maximum internal memory *	16 GB	· =	
Embedded options available Storage media* Storage m	Storage		• •	
Total SDN capacity 240 GB Intel Virtualization Technology for Virtual SDN capacity 240 GB Intel Smart Connect Technology 1.00 Version Vers	Total storage capacity *	240 GB	CPU configuration (max)	1
Number of SSD installed 1 SSD capacity 240 GB version Dictal drive type*	Storage media *	SSD	•	×
SSD Capacity 240 GB			Directed I/O (VT-d)	✓
Card reader integrated Version 1,00 Compabits Intel Smart Response Technology 1,00 Graphics Intel Stable Image Platform Program (SIPP) version 1,00 On-board graphics card model Not available (SIPP) version 1,00 On-board graphics card will card intel Small Business Advantage (SBA) version 1,00 1,00 On-board graphics card model Intel® HD Graphics 4400 Intel ME Firmware Version 9,5 On-board graphics card dynamic frequency 200 MHz Intel STAN Iversion 0,00 On-board graphics card dynamic frequency (max) 1100 MHz Intel Rapid Storage Technology ✓ On-board graphics card bries and United William on-board graphics card properties and United William on-board graphics card bries and United William on-board graphics card bries and United William on-board graphics card DirectX 1,74 GB Intel Rapid Storage Technology ✓ On-board graphics card DirectX version 1,21/12 Conflict-Free processor ✓ V Audio system DTS Studio Sound AC adapter power 45 W Audio system DTS Studio Sound AC adapter input voltage 1,00 - 2,30 V Network	• •	240 GB		1.00
Graphics version 1.10d Discrete graphics card model * Not available (SIPP) version 1.00 On-board graphics card * ✓ Intel Secure Key Technology version 1.00 Discrete graphics card * ✓ Intel Small Business Advantage (SBA) version 1.00 On-board graphics card body argaphics card body argaphics card body argaphics card dynamic frequency Intel® HD Graphics 4400 Intel TSX-NI version 0.00 On-board graphics card dynamic frequency (max) 1100 MHz Intel FDI Technology ✓ On-board graphics card DirectX version 1,74 GB Intel FDI Technology ✓ On-board graphics card DirectX version 1,12/12 Conflict-Free processor ✓ On-board graphics card DirectX version 4,3 Number of battery cells 3 On-board graphics card DirectX version 4,3 Number of battery cells 3 On-board graphics card DirectX version 4,3 Number of battery cells 3 On-board graphics card DirectX version 4 Ac adapter propover 45 W Audio Yester version Ac adapter propover 45 W				1.00
Discrete graphics card model		SD		1.00
On-board graphics card * ✓ Intel Secure Key Technology version 1.00 On-board GPU manufacturer Intel (sited Small Business Advantage (sized Small Business Advantage) 1.00 On-board graphics card model On-board graphics card base frequency 100 MHz Intel ME Firmware Version 9.5 On-board graphics card dynamic frequency (max) 1100 MHz Intel SMall Business Advantage 9.5 On-board graphics card dynamic frequency (max) 1100 MHz Intel SMall Business Advantage 9.5 Maximum on-board graphics card DirectX version 1.74 GB Intel FDI Technology ✓ On-board graphics card DirectX version 1.74 GB Intel Rapid Storage Technology ✓ On-board graphics card OpenGL version 4.3 Battery ✓ On-board graphics card OpenGL version 4.3 Power ✓ Audio Prover AC adapter power 45 W Audio system DTS Studio Sound AC adapter power 45 W AL adapter input voltage 120 - 230 v Built-in microphone V Y Font camera HD Weith & dimensions	•	Not available		1.00
Discrete graphics card *	On-board graphics card *	✓	Intel Secure Key Technology version	1.00
On-board graphics card model * On-board graphics card base frequency Intel B HD Graphics 4400 Intel TSX-NI version 0.00 On-board graphics card base frequency 200 MHz Intel STX-NI version 0.00 On-board graphics card dynamic frequency (max) 1100 MHz Intel FDI Technology (VTX-X) ✓ Maximum on-board graphics card memory 1.74 GB Intel Rapid Storage Technology ✓ On-board graphics card DirectX version 4.3 Battery ✓ On-board graphics card ID 0xA16 Battery ✓ Audio Power AC adapter power 4.5 W Audio system DTS Studio Sound AC adapter power 4.5 W Number of built-in speakers 2 AC adapter input voltage 120 - 230 V Built-in microphone 4 Security 2 Camera Megist & dimensions 10 - 230 V Front camera Megist & dimensions 4 Returnet LAN Weight & dimensions 2 Ethernet LAN Megist & dimensions 10 - 20 × 10 × 10 × 10 × 10 × 10 × 10 × 10 ×			3	1.00
Intel Virtualization Technology (VT- x) On-board graphics card dynamic frequency (max) Maximum on-board graphics card memory On-board graphics card DirectX version On-board graphics card OpenGL version On-board graphics card ID OxA16 Power Audio Audio system DTS Studio Sound AC adapter power AC adapter power AC adapter frequency AC adapter input voltage DTS Studio Sound AC adapter input voltage			Intel ME Firmware Version	9.5
On-board graphics card dynamic frequency (max) 1100 MHz XI Maximum on-board graphics card precision (memory) 1,74 GB Intel FDI Technology ✓ On-board graphics card DirectX version 11.2/12 Conflict-free processor ARK ID 76616 On-board graphics card OpenGL version 4.3 Battery ✓ Audio 0xA16 Power ✓ Audio system DTS Studio Sound AC adapter power 45 W Number of built-in speakers 2 AC adapter input voltage 120 - 230 V Built-in microphone ✓ Security Camera Weight & dimensions Front camera HD type HD Weight & dimensions Network Weight & dimensions 21.4 mm Ethernet LAN ✓ Height 21.4 mm Ports & interfaces Weight * 1.88 kg Ports & interfaces 1 1.0100,1000 Mbit/s 1.88 kg Libernet LAN (R)-45) ports quantity 1 1.400 Mbit (All processes) 1.400 Mbit (All processes) USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity 1		200 MHz		
Maximum on-board graphics card memory On-board graphics card DirectX version On-board graphics card OpenGL version On-board graphics card OpenGL version On-board graphics card OpenGL version On-board graphics card ID On-board graphics deal ID On-board		1100 MHz		
On-board graphics card DirectX version On-board graphics card OpenGL version On-board graphics card OpenGL version On-board graphics card OpenGL version On-board graphics card ID On-board graphics card OpenGL Audio On-board graphics card OpenGL On-board graphics card ID On-boa	Maximum on-board graphics card	1.74 GB	Intel Rapid Storage Technology	✓
On-board graphics card OpenGL version 43 Battery On-board graphics card ID 0xA16 Power Audio AC adapter power 45 W Audio system DTS Studio Sound AC adapter frequency 50 -60 Hz Number of built-in speakers 2 AC adapter input voltage 120 - 230 V Built-in microphone ** Security Camera Cable lock slot * Front camera ** Width 375 mm Front camera HD type HD Width 375 mm Ethernet LAN ** Height 23 mm Ethernet LAN data rates 10,100,1000 Mbit/s Weight ** 1.88 kg Ports & interfaces Weight ** 1.88 kg USB 3.2 Gen 1 (3.1 Gen 1) Type-A \$ * Ethernet LAN (RJ-45) ports 1 * Ethernet LAN (RJ-45) ports 1 * USB 3.2 Gen 1 (3.1 Gen 1) Type-A \$ * Ethernet LAN (RJ-45) ports 1 * Combo headphone/mic port 4 * Uocking connector 4 For the microbi	On-board graphics card DirectX	11.2/12		
Version Number of battery cells 3 On-board graphics card ID 0xA16 Power Audio AC adapter power 45 W Audio system DTS Studio Sound AC adapter frequency 50 - 60 Hz Number of built-in speakers 2 AC adapter input voltage 120 - 230 V Built-in microphone Security Camera Front camera V Cable lock slot V Front camera V Cable lock slot V Network Width 375 mm Depth 253 mm Ethernet LAN (ada rates) 10,100,1000 Mbit/s Weight * 1.88 kg Ports & interfaces USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * 4			Battery	
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Ac dapter power 45 W Number of built-in speakers 2	On-board graphics card ID	0xA16	Power	
Audio system Number of built-in speakers 2 AC adapter frequency AC adapter input voltage 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 Ethernet LAN (RJ-45) ports DisplayPorts quantity Fooking connector Veyboard Foothing device Found adapter frequency AC adapter input voltage AC adapter input voltage AC adapter input voltage AC adapter input voltage AC adapter input voltage AC adapter input voltage AC adapter input voltage AC adapter input voltage AC adapter input voltage AC adapter input voltage AC adapter input voltage AC adapter input voltage Security Cable lock slot Veight & dimensions Width ATS 375 mm Depth De	Audio			45 W
Built-in microphone Camera Camera Front camera Front camera HD type HD Metwork Ethernet LAN Ethernet LAN data rates 10,100,1000 Mbit/s Weight & dimensions Width Depth Weight * Weight				50 - 60 Hz
Camera Front camera Front camera HD type HD Network Ethernet LAN Ethernet LAN data rates USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * Ethernet LAN (RJ-45) ports DisplayPorts quantity YGA (D-Sub) ports quantity TOOK beadphone/mic port Docking connector Pointing device Touchpad Security Cable lock slot Acable lock slot Addition Acable Stamman A	•		AC adapter input voltage	120 - 230 V
Front camera Front camera HD type HD Weight & dimensions Width 375 mm Depth 253 mm Height 21.4 mm Ethernet LAN data rates 10,100,1000 Mbit/s Weight * 1.88 kg Ports & interfaces USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * Ethernet LAN (RJ-45) ports 1 DisplayPorts quantity * Ethernet LAN (RJ-45) ports 1 DisplayPorts quantity 1 Combo headphone/mic port	·	V	Security	
Front camera HD type HD Network Width 375 mm Ethernet LAN ✓ Depth 253 mm Height Weight * 21.4 mm Weight * Weigh		,	Cable lock slot	✓
Network Depth 253 mm Ethernet LAN ✓ Height 21.4 mm Ethernet LAN data rates 10,100,1000 Mbit/s Weight * 1.88 kg 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 Touchpad				275
Ethernet LAN data rates 10,100,1000 Mbit/s Weight * 1.88 kg Ports & interfaces USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * 1 DisplayPorts quantity 1 Combo headphone/mic port Combo headphon	Network			
Ethernet LAN data rates 10,100,1000 Mbit/s Ports & interfaces USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * Ethernet LAN (RJ-45) ports 1 DisplayPorts quantity 1 VGA (D-Sub) ports quantity 1 Combo headphone/mic port	Ethernet LAN	✓		
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * 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	Ethernet LAN data rates	10,100,1000 Mbit/s		
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VGA (D-Sub) ports quantity 1 Combo headphone/mic port Docking connector Keyboard Pointing device Touchpad		1		
Combo headphone/mic port Docking connector Keyboard Pointing device Touchpad				
Docking connector Keyboard Pointing device Touchpad				
Keyboard Pointing device Touchpad				
Pointing device Touchpad				
		Touchpad		

Keyboard	
Numeric keypad *	✓





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