



HP EliteBook 8540w Intel® Core™ i7 i7-620M 39,6 cm (15.6") HD+ 4 Giga Bites DDR3-SDRAM 250 Giga Bites HDD NVIDIA® Quadro® FX 880M Windows 7 Professional

Marcă : HP

Familia de produse: EliteBook

Codul produsului:
NU515AV#ABH

Nume produs : 8540w



HP EliteBook 8540w. Familia de procesoare: Intel® Core™ i7, Procesor: i7-620M, Frecvență procesor: 2,66 GHz. Diagonala afișajului: 39,6 cm (15.6"), Tip HD: HD+, Rezoluție de afișare: 1600 x 900 Pixel. Memorie internă: 4 Giga Bites, Tip de memorie internă: DDR3-SDRAM. Capacitate totală de stocare: 250 Giga Bites, Suport media de stocare: HDD, De tipul de unitate optică: DVD Super Multi DL. Model adaptor grafic la-bord: Intel® HD Graphics, Model adaptor grafic dedicat: NVIDIA® Quadro® FX 880M. Sistem de operare cu condiția: Windows 7 Professional. Greutate: 2,95 kilograme

Design		Ports & interfaces	
Country of origin	China	CardBus PCMCIA slot type	×
Display		SmartCard slot	✓
Display diagonal *	39.6 cm (15.6")	TV-out	×
Display resolution *	1600 x 900 pixels	Performance	
HD type	HD+	Motherboard chipset	Intel® QM57 Express
LED backlight	✓	Keyboard	
Native aspect ratio	16:9	Pointing device	Touchpad
Processor		Numeric keypad *	×
Processor manufacturer *	Intel	Spill-resistant keyboard	✓
Processor family *	Intel® Core™ i7	Keyboard layout	QWERTY
Processor generation	Intel® Core™ i7	Software	
Processor model *	i7-620M	Operating system architecture	64-bit
Processor cores	2	Operating system installed *	Windows 7 Professional
Processor threads	4	Processor special features	
Processor boost frequency	3.33 GHz	Intel® Wireless Display (Intel® WiDi)	×
Processor frequency *	2.66 GHz	Intel® My WiFi Technology (Intel® MWT)	×
System bus rate	2.5 GT/s	Intel® Anti-Theft Technology (Intel® AT)	×
Processor cache	4 MB	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor cache type	Smart Cache	Intel® Turbo Boost Technology	1.0
Processor socket	BGA 1288	Enhanced Intel SpeedStep Technology	✓
Processor lithography	32 nm	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor operating modes	64-bit	Intel Clear Video Technology	✓
Processor series	Intel Core i7-600 Mobile Series	Intel® InTru™ 3D Technology	×
Processor codename	Arrandale	Intel® Insider™	×
Bus type	DMI		
FSB Parity	×		
Stepping	C2		
Thermal Design Power (TDP)	35 W		
Tjunction	105 °C		
Maximum number of PCI Express lanes	16		

Processor		Processor special features	
PCI Express slots version	2.0	Intel® Quick Sync Video Technology	✗
PCI Express configurations	1x16	Intel Flex Memory Access	✓
Number of Processing Die Transistors	382 M	Intel® AES New Instructions (Intel® AES-NI)	✓
Processing Die size	81 mm ²	Intel Trusted Execution Technology	✓
CPU multiplier (bus/core ratio)	20	Intel Enhanced Halt State	✓
ECC supported by processor	✗	Intel VT-x with Extended Page Tables (EPT)	✓
Memory		Intel Demand Based Switching	✗
Internal memory *	4 GB	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
Internal memory type	DDR3-SDRAM	Intel 64	✓
Maximum internal memory *	16 GB	Execute Disable Bit	✓
Storage		Idle States	✓
Total storage capacity *	250 GB	Thermal Monitoring Technologies	✓
Storage media *	HDD	Processor package size	rPGA 37.5x 37.5, BGA 34x28
Number of HDDs installed	1	Supported instruction sets	SSE4.1/4.2
HDD capacity	250 GB	Processor code	SLBPE
HDD interface	SATA	Physical Address Extension (PAE)	36 bit
HDD speed	7200 RPM	CPU configuration (max)	1
Optical drive type *	DVD Super Multi DL	Embedded options available	✓
Card reader integrated	✓	Graphics & IMC lithography	45 nm
Graphics		Intel Virtualization Technology for Directed I/O (VT-d)	✓
Discrete graphics card model *	NVIDIA® Quadro® FX 880M	Intel Virtualization Technology (VT-x)	✓
On-board graphics card *	✓	Intel Dual Display Capable Technology	✓
Discrete graphics card *	✓	Intel FDI Technology	✓
On-board graphics card family	Intel® HD Graphics	Intel Rapid Storage Technology	✗
On-board graphics card model *	Intel® HD Graphics	Intel Fast Memory Access	✓
On-board graphics card base frequency	500 MHz	Processor ARK ID	43560
On-board graphics card dynamic frequency (max)	766 MHz	Conflict-Free processor	✗
Audio		Battery	
Audio system	High Definition Audio	Battery technology	Lithium-Ion (Li-Ion)
Number of built-in speakers	2	Number of battery cells	8
Built-in microphone	✓	Battery life (max)	5.5 h
Network		Power	
Wi-Fi	✓	DC-in jack	✓
Wi-Fi standards	802.11a, 802.11b, 802.11g	Security	
Ethernet LAN	✓	Cable lock slot	✓
Ethernet LAN data rates	10,100,1000 Mbit/s	Cable lock slot type	Kensington
Bluetooth	✓	Weight & dimensions	
Bluetooth version	2.1+EDR	Width	373.5 mm
Ports & interfaces		Depth	251.5 mm
USB 2.0 ports quantity *	2	Height	32.4 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Weight *	2.95 kg
eSATA ports quantity	1	Other features	
Ethernet LAN (RJ-45) ports	1	LightScribe	✓
DisplayPorts quantity	1	Infrared data port	✗
DVI port	✗	Graphics card family	NVIDIA
VGA (D-Sub) ports quantity	1	Intel segment tagging	Enterprise
Firewire (IEEE 1394) ports	1		
Headphone outputs	1		
S/PDIF out port	✗		
Microphone in	✓		
Docking connector	✓		
ExpressCard slot	✓		

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Publication date: 30-APR-2025. Prints or copies of Information are only valid on the printed Publication date