



**HP EliteBook 8770w Intel® Core™ i7 i7-3740QM 43,9 cm (17.3")
Full HD 8 GB DDR3-SDRAM 256 GB SSD NVIDIA® Quadro® K3000M
Windows 7 Professional Charcoal, Grey**

Brand : HP

Product family: EliteBook

Product code: LY582EA#ABH

Product name : 8770w

HP EliteBook 8770w Mobile Workstation

HP EliteBook 8770w. Form factor: Clamshell. Processor type: Intel® Core™ i7, Processor: i7-3740QM, Processor frequency: 2,7 GHz. Display diagonal: 43,9 cm (17.3"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 8 GB, Internal memory type: DDR3-SDRAM. Total storage capacity: 256 GB, Storage media: SSD, Optical drives: DVD Super Multi DL. On-board graphics card model: Intel® HD Graphics 4000. Operating system software: Windows 7 Professional. Product colour: Charcoal, Grey



Design		Keyboard	
Product colour *	Charcoal, Grey	Spill-resistant keyboard	✓
Form factor *	Clamshell	Full-size keyboard	✓
Country of origin	China	Keyboard layout	QWERTY
Display		Software	
Display diagonal *	43,9 cm (17.3")	Operating system architecture	64-bit
Display resolution *	1920 x 1080 pixels	Recovery operating system	Windows 8 Pro
Touchscreen *	✗	Operating system software *	Windows 7 Professional
HD type	Full HD	Processor special features	
Colour	16.78 million colours	Intel Wireless Display (WiDi) Technology	✓
LED backlight	✓	Intel My WiFi Technology	✓
Native aspect ratio	16:9	Intel Anti-Theft Technology	✓
Processor		Intel Identity Protection Technology	✓
Processor manufacturer *	Intel	Intel Hyper-Threading Technology	✓
Processor type *	Intel® Core™ i7	Intel Turbo Boost Technology	2.0
Processor generation	3rd gen Intel® Core™ i7	Enhanced Intel SpeedStep Technology	✓
Processor *	i7-3740QM	Intel Clear Video HD Technology	✓
Processor number of cores	4	Intel Clear Video Technology	✗
Processor threads	8	Intel® InTru™ 3D Technology	✓
Processor boost frequency	3,7 GHz	Intel® Insider™	✓
Processor frequency *	2,7 GHz	Intel® Quick Sync Video Technology	✓
System bus data transfer rate	5 GT/s	Intel Flex Memory Access	✓
Processor cache	6 MB	Intel Smart Cache	✓
Processor cache type	Smart Cache	Intel AES New Instructions	✓
Processor socket	PGA988	Intel Trusted Execution Technology	✓
Processor lithography	22 nm	Intel Enhanced Halt State	✓
Processor operating modes	64-bit		
Processor series	Intel Core i7-3700 Mobile Series		
Processor codename	Ivy Bridge		
Bus type	DMI		

Processor		Processor special features	
FSB Parity	✗	Intel VT-x with Extended Page Tables (EPT)	✓
Stepping	E1	Intel Demand Based Switching	✗
Thermal Design Power (TDP)	45 W	Intel® Secure Key	✓
Tjunction	105 °C	Intel Clear Video Technology for MID	✗
Maximum number of PCI Express lanes	16	Intel 64	✓
PCI Express slots version	3.0	Execute Disable Bit	✓
PCI Express configurations	1x16, 2x8, 1x8+2x4	Idle States	✓
Number of processors supported	1	Thermal Monitoring Technologies	✓
Maximum number of SMP processors	1	Processor package size	37.5 x 37.5 (rPGA988B); 31.0 x 24.0 (BGA1224)
CPU multiplier (bus/core ratio)	27	Supported instruction sets	AVX
ECC supported by processor	✗	Processor code	SR0UV
Memory		CPU configuration (max)	1
Internal memory *	8 GB	Embedded options available	✗
Internal memory type	DDR3-SDRAM	Graphics & IMC lithography	22 nm
Memory speed	1600 MHz	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Maximum memory *	32 GB	Intel Identity Protection Technology version	1,00
Storage		Intel Secure Key Technology version	1,00
Total storage capacity *	256 GB	Intel Virtualization Technology (VT-x)	✓
Storage media *	SSD	Intel Dual Display Capable Technology	✓
Hard drive capacity	0 GB	Intel FDI Technology	✓
Total SSDs capacity	256 GB	Intel Rapid Storage Technology	✗
Number of SSDs installed	1	Intel Fast Memory Access	✓
Solid-state drive capacity	256 GB	Processor ARK ID	70847
Optical drives *	DVD Super Multi DL	Conflict-Free processor	✓
Card reader integrated	✓	Integrated 4G WiMAX	✓
Compatible memory cards	MMC, SD	Battery	
Graphics		Battery technology	Lithium-Ion (Li-Ion)
Discrete graphics card model *	NVIDIA® Quadro® K3000M	Number of battery cells	8
Discrete graphics card memory	2 GB	Power	
Discrete graphics memory type	GDDR5	AC adapter power	200 W
On-board graphics card *	✓	AC adapter frequency	50 - 60 Hz
Discrete graphics card *	✓	AC adapter input voltage	100 - 240 V
On-board graphics card family	Intel® HD Graphics	AC adapter output voltage	19 V
On-board graphics card model *	Intel® HD Graphics 4000	Power auto-sensing	✓
On-board graphics card base frequency	650 MHz	DC-in jack	✓
On-board graphics card dynamic frequency (max)	1300 MHz	Security	
On-board graphics card ID	0x166	Cable lock slot	✓
Number of discrete graphics cards	1	Password protection type	✓
Audio		Operational conditions	
Audio system	SRS Premium Sound PRO	Operating temperature (T-T)	5 - 35 °C
Built-in speaker(s)	✓	Storage temperature (T-T)	-24 - 45 °C
Number of built-in speakers	2	Operating relative humidity (H-H)	10 - 85%
Built-in microphone	✓	Storage humidity	10 - 90%
Optical drive		Certificates	
Optical drive interface	SATA	Compliance certificates	RoHS
Network		Sustainability	
Wi-Fi	✓	Sustainability certificates	EPEAT Silver, ENERGY STAR
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)	Weight & dimensions	
Ethernet LAN connection	✓	Width	417 mm
Ethernet LAN data rates	10,100,1000 Mbit/s	Depth	273 mm
Bluetooth	✗		
Cabling technology	10/100/1000Base-T(X)		

Ports & interfaces		Weight & dimensions	
USB 2.0 ports quantity *	2	Height	37 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Weight *	3,47 kg
eSATA/USB 2.0 ports quantity	1	Packaging content	
Ethernet LAN (RJ-45) ports	1	AC adapter included *	✓
DVI port	✗	Cables included	AC
VGA (D-Sub) ports quantity	1	Manual	✓
Firewire (IEEE 1394) ports	1	Quick start guide	✓
Headphone outputs	1	Warranty card	✓
Microphone in	✓	Other features	
ExpressCard slot	✓	LightScribe	✗
CardBus PCMCIA slot type	✗	Infrared data port	✗
SmartCard slot	✓	Graphics card family	Intel, NVIDIA
Headphone connectivity	3.5 mm	Maximum internal memory (64-bit)	32 GB
Microphone connectivity	3.5 mm	Dimensions (WxDxH)	37,4 x 416,5 x 272,7 mm
Performance		Product dimensions (W x D x H)	3,73 cm (1.47")
Chipset	Intel® QM77 Express	Maximum hard drive	750 GB
Keyboard		Minimum hard drive	320 GB
Pointing device	Touchpad	Intel segment tagging	Enterprise
Numeric keypad *	✓		



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