



**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

Intel Core i7-3740QM 2.7 GHz, 8GB DDR3, 256GB SSD, DVD+/-RW SuperMulti DL, 17.3" Full HD LED, NVIDIA Quadro K3000M 2GB, USB 3.0, eSATA/USB, DisplayPort, VGA, 1394a, Gigabit Ethernet, WLAN 802.11a/b/g/n, webcam, Windows 8 Pro

HP EliteBook 8770w. Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: 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 drive type: DVD Super Multi DL. On-board graphics card model: Intel® HD Graphics 4000. Operating system installed: Windows 7 Professional. Product colour: Charcoal, Grey

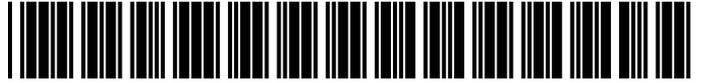
| Design                    |                                  | Keyboard   |                        |
|---------------------------|----------------------------------|--|------------------------|
| Product colour *          | Charcoal, Grey                   | Keyboard layout  | QWERTY                 |
| Form factor *             | Clamshell                        | Software   |                        |
| Country of origin         | China                            | Operating system architecture                            | 64-bit                 |
| Display                   |                                  | Recovery operating system                                | Windows 8 Pro          |
| Display diagonal *        | 43,9 cm (17.3")                  | Operating system installed *                             | Windows 7 Professional |
| Display resolution *      | 1920 x 1080 pixels               | Processor special features                               |                        |
| Touchscreen *             | ✗                                | Intel® Wireless Display (Intel® WiDi)                    | ✓                      |
| HD type                   | Full HD                          | Intel® My WiFi Technology (Intel® MWT)                   | ✓                      |
| Display number of colours | 16.78 million colours            | Intel® Anti-Theft Technology (Intel® AT)                 | ✓                      |
| LED backlight             | ✓                                | Intel® Identity Protection Technology (Intel® IPT)       | ✓                      |
| Native aspect ratio       | 16:9                             | Intel® Hyper Threading Technology (Intel® HT Technology) | ✓                      |
| Processor                 |                                  | Intel® Turbo Boost Technology                            | 2.0                    |
| Processor manufacturer *  | Intel                            | Enhanced Intel SpeedStep Technology                      | ✓                      |
| Processor family *        | Intel® Core™ i7                  | Intel® Clear Video HD Technology (Intel® CVT HD)         | ✓                      |
| Processor generation      | 3rd gen Intel® Core™ i7          | Intel Clear Video Technology                             | ✗                      |
| Processor model *         | i7-3740QM                        | Intel® InTru™ 3D Technology                              | ✓                      |
| Processor cores           | 4                                | Intel® Insider™  | ✓                      |
| Processor threads         | 8                                | Intel® Quick Sync Video Technology                       | ✓                      |
| Processor boost frequency | 3,7 GHz                          | Intel Flex Memory Access                                 | ✓                      |
| Processor frequency *     | 2,7 GHz                          | Intel® Smart Cache                                       | ✓                      |
| System bus rate           | 5 GT/s                           | Intel® AES New Instructions (Intel® AES-NI)              | ✓                      |
| Processor cache           | 6 MB                             | Intel Trusted Execution Technology                       | ✓                      |
| Processor cache type      | Smart Cache                      | Intel Enhanced Halt State                                | ✓                      |
| Processor socket          | PGA988                           |  |                        |
| Processor lithography     | 22 nm                            |  |                        |
| 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 Mobile Internet Devices (Intel CVT 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   |
| <b>Memory</b>                                  |                                     | CPU configuration (max)   | 1   |
| Internal memory *                              | 8 GB                                | Embedded options available  | ✗   |
| Internal memory type                           | DDR3-SDRAM                          | Graphics & IMC lithography  | 22 nm   |
| Memory clock speed                             | 1600 MHz                            | Intel Virtualization Technology for Directed I/O (VT-d)                       | ✓   |
| Maximum internal memory *                      | 32 GB                               | Intel Identity Protection Technology version                                  | 1,00  |
| <b>Storage</b>                                 |                                     | 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   | ✓   |
| HDD capacity                                   | 0 GB                                | Intel FDI Technology  | ✓   |
| Total SSDs capacity                            | 256 GB                              | Intel Rapid Storage Technology  | ✗   |
| Number of SSDs installed                       | 1                                   | Intel Fast Memory Access  | ✓   |
| SSD capacity                                   | 256 GB                              | Processor ARK ID  | 70847   |
| Optical drive type *                           | DVD Super Multi DL                  | Conflict-Free processor   | ✓   |
| Card reader integrated                         | ✓                                   | Integrated 4G WiMAX   | ✓   |
| Compatible memory cards                        | MMC, SD                             | <b>Battery</b>  |   |
| <b>Graphics</b>                                |                                     | Battery technology  | Lithium-Ion (Li-Ion)                          |
| Discrete graphics card model *                 | NVIDIA® Quadro® K3000M              | Number of battery cells   | 8   |
| Discrete graphics card memory                  | 2 GB                                | <b>Power</b>  |   |
| 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                            | <b>Security</b>   |   |
| On-board graphics card ID                      | 0x166                               | Cable lock slot   | ✓   |
| Number of discrete graphics cards              | 1                                   | Password protection type  | ✓   |
| <b>Audio</b>                                   |                                     | <b>Operational conditions</b>   |   |
| 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 relative humidity (H-H)   | 10 - 90%                                      |
| <b>Optical drive</b>                           |                                     | <b>Certificates</b>   |   |
| Optical drive interface                        | SATA                                | Compliance certificates   | RoHS  |
| <b>Network</b>                                 |                                     | <b>Sustainability</b>   |   |
| Wi-Fi  | ✓                                   | Sustainability certificates   | EPEAT Silver, ENERGY STAR                     |
| Wi-Fi standards                                | 802.11b, 802.11g, Wi-Fi 4 (802.11n) | <b>Weight &amp; dimensions</b>  |   |
| Ethernet LAN                                   | ✓                                   | Width   | 417 mm  |
| Ethernet LAN data rates                        | 10,100,1000 Mbit/s                  |   |   |
| Bluetooth                                      | ✗                                   |   |   |
| Cabling technology                             | 10/100/1000Base-T(X)                |   |   |

| Ports & interfaces                                |                     | Weight & dimensions              |                         |
|---|---------------------|----------------------------------|-------------------------|
| USB 2.0 ports quantity *                          | 2                   | Depth                            | 273 mm                  |
| USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 2                   | Height                           | 37 mm                   |
| eSATA/USB 2.0 ports quantity                      | 1                   | Weight *                         | 3,47 kg                 |
| Ethernet LAN (RJ-45) ports                        | 1                   | <b>Packaging content</b>         |                         |
| DVI port  | ✗                   | AC adapter included *            | ✓                       |
| VGA (D-Sub) ports quantity                        | 1                   | Cables included                  | AC                      |
| Firewire (IEEE 1394) ports                        | 1                   | Manual                           | ✓                       |
| Headphone outputs                                 | 1                   | Quick start guide                | ✓                       |
| Microphone in                                     | ✓                   | Warranty card                    | ✓                       |
| ExpressCard slot                                  | ✓                   | <b>Other features</b>            |                         |
| CardBus PCMCIA slot type                          | ✗                   | LightScribe                      | ✗                       |
| SmartCard slot                                    | ✓                   | Infrared data port               | ✗                       |
| Headphone connectivity                            | 3.5 mm              | Graphics card family             | Intel, NVIDIA           |
| Microphone connectivity                           | 3.5 mm              | Maximum internal memory (64-bit) | 32 GB                   |
| <b>Performance</b>                                |                     | Dimensions (WxDxH)               | 37,4 x 416,5 x 272,7 mm |
| Motherboard chipset                               | Intel® QM77 Express | Size                             | 3,73 cm (1.47")         |
| <b>Keyboard</b>                                   |                     | Maximum HDD capacity             | 750 GB                  |
| Pointing device                                   | Touchpad            | Minimum storage drive space      | 320 GB                  |
| Numeric keypad *                                  | ✓                   | Intel segment tagging            | Enterprise              |
| Spill-resistant keyboard                          | ✓                   |                                  |                         |
| Full-size keyboard                                | ✓                   |                                  |                         |



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