



HP EliteBook 8730w Intel® Core™ 2 Quad Q9000 Laptop 43,2 cm (17") 4 GB DDR2-SDRAM 320 GB NVIDIA® Quadro® FX 2700M Windows Vista Business

Brand : HP

Product family: EliteBook

Product code: NN269EA

Product name : 8730w

HP EliteBook 8730w Mobile Workstation (ENERGY STAR)

HP EliteBook 8730w. Product type: Laptop. Processor family: Intel® Core™ 2 Quad, Processor model: Q9000, Processor frequency: 2 GHz. Display diagonal: 43,2 cm (17"), Display resolution: 1920 x 1200 pixels. Internal memory: 4 GB, Internal memory type: DDR2-SDRAM. Total storage capacity: 320 GB, Optical drive type: DVD Super Multi DL. Discrete graphics card model: NVIDIA® Quadro® FX 2700M. Operating system installed: Windows Vista Business. Weight: 3,4 kg



| Design | | Processor special features | |
|--------------------------------------|---|---|------------|
| Product type * | Laptop | Intel Flex Memory Access | ✗ |
| Country of origin | China | Intel® AES New Instructions (Intel® AES-NI) | ✗ |
| Display | | Intel Trusted Execution Technology | ✓ |
| Display diagonal * | 43,2 cm (17") | Intel Enhanced Halt State | ✗ |
| Display resolution * | 1920 x 1200 pixels | Intel VT-x with Extended Page Tables (EPT) | ✗ |
| Native aspect ratio | 16:10 | Intel Demand Based Switching | ✗ |
| Processor | | Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID) | ✗ |
| Processor manufacturer * | Intel | Intel 64 | ✓ |
| Processor family * | Intel® Core™ 2 Quad | Execute Disable Bit | ✓ |
| Processor model * | Q9000 | Thermal Monitoring Technologies | ✗ |
| Processor cores | 4 | Processor package size | 35 x 35 mm |
| Processor threads | 4 | Processor code | SLGEJ |
| Processor frequency * | 2 GHz | Embedded options available | ✗ |
| Processor cache | 6 MB | Intel Virtualization Technology for Directed I/O (VT-d) | ✗ |
| Processor cache type | L2 | Intel Virtualization Technology (VT-x) | ✓ |
| Processor socket | Socket L1 | Intel Dual Display Capable Technology | ✗ |
| Processor front side bus | 1066 MHz | Intel FDI Technology | ✗ |
| Processor lithography | 45 nm | Intel Rapid Storage Technology | ✗ |
| Processor operating modes | 64-bit | Intel Fast Memory Access | ✗ |
| Processor series | Intel Core 2 Quad Q9000 Series for Mobile | Processor ARK ID | 40480 |
| Processor codename | Penryn | Conflict-Free processor | ✗ |
| Bus type | FSB | Battery | |
| FSB Parity | ✗ | Number of battery cells | 8 |
| Stepping | E0 | Battery life (max) | 4,25 h |
| Thermal Design Power (TDP) | 45 W | | |
| Tjunction | 100 °C | | |
| Number of Processing Die Transistors | 410 M | | |
| Processing Die size | 107 mm² | | |
| CPU multiplier (bus/core ratio) | 7,5 | | |

| Processor | | Power | |
|--------------------------------|---|--|--|
| ECC supported by processor | ✗ | AC adapter power | 150 W |
| Memory | | AC adapter input voltage | 100 - 240 V |
| Memory upgrade | 8 GB | DC-in jack | ✓ |
| Internal memory * | 4 GB | Security | |
| Internal memory type | DDR2-SDRAM | Cable lock slot | ✓ |
| Memory layout (slots x size) | 2 x 2 GB | Cable lock slot type | Kensington |
| Memory slots | 2x SO-DIMM | Fingerprint reader | ✓ |
| Maximum internal memory * | 8 GB | Trusted Platform Module (TPM) | ✓ |
| Storage | | Password protection type | BIOS |
| Total storage capacity * | 320 GB | Security management description | McAfee Security Solution, Kensington Lock slot, HP Privacy Filter (optional) |
| Hard drive capacity | 320 GB | Operational conditions | |
| Hard drive interface | SATA | Non-operating relative humidity (non-condensing) | 5 - 95% |
| Hard drive speed | 7200 RPM | Operating temperature (T-T) | -20 - 70 °C |
| Optical drive type * | DVD Super Multi DL | Storage temperature (T-T) | -40 - 80 °C |
| Card reader integrated | ✓ | Operating relative humidity (H-H) | 10 - 90% |
| Graphics | | Storage relative humidity (H-H) | 5 - 95% |
| Discrete graphics card model * | NVIDIA® Quadro® FX 2700M | Certificates | |
| Discrete graphics card memory | 0,512 GB | Certification | MCAD: AutoDesk (AutoCAD, Inventor, Revit, Alias Studio, Map 3D, Civil 3D), Bentley (In Roads XM, MicroStation, Navigator), CEI, CoCreate OneSpace, Dassault CATIA V5, ICEM Surf, Intelligent Light, MSC Software (MSC.Patran, SimXpert), PTC Pro/ENGINEER Wildfire, Sensable, Siemens PLMS (NX, NX I-deas, Solid Edge, TeamCenter Visualisation, Solidworks; DCC: Adobe (Premiere, After effects, Encore, Photoshop), AutoDesk (3DS MAX/Combustion, Maya), Avid (Xpress Pro, Media Composer), SoftImage XSI; GIS: ESRI ArcGIS; Oil and Gas: Landmark R5000, Paradigm EPOS, GoCAD, Schlumberger (GeoFrame, Petrel), SeismicMicro Technology |
| Discrete graphics card * | ✓ | | |
| Maximum graphics card memory | 0,5 GB | | |
| Audio | | | |
| Audio system | High Definition Audio | | |
| Audio included | High Definition Audio, stereo speakers, stereo headphone/line out, stereo microphone in, integrated dual-microphone array | | |
| Network | | | |
| Networking features | Gigabit Ethernet, WLAN | | |
| Bluetooth | ✓ | | |
| Ports & interfaces | | | |
| USB 2.0 ports quantity * | 4 | Weight & dimensions | |
| eSATA ports quantity | 1 | Width | 393 mm |
| Ethernet LAN (RJ-45) ports | 1 | Depth | 282 mm |
| HDMI ports quantity * | 1 | Height | 32 mm |
| DVI port | ✗ | Weight * | 3,4 kg |
| VGA (D-Sub) ports quantity | 1 | Hard drive | |
| Firewire (IEEE 1394) ports | 1 | Hard disk drive type | 320 GB 7200 rpm SATA II |
| Headphone outputs | 1 | Storage drive controller | SATA II |
| S/PDIF out port | ✗ | Video | |
| Microphone in | ✓ | Video card features | NVIDIA Quadro FX 2700M |
| Docking connector | ✗ | Packaging content | |
| ExpressCard slot | ✓ | AC adapter included * | ✓ |
| CardBus PCMCIA slot type | ✗ | Other features | |
| SmartCard slot | ✗ | Manageability features | HP 3D DriveGuard |
| I/O ports | 4 USB 2.0 ports, VGA, eSATA, stereo microphone in, stereo headphone/line out, Firewire (1394a), HDMI, power connector, docking connector, secondary battery connector, RJ-11, RJ-45 | Wireless technology | 802.11 a/b/g/n |
| | | Infrared data port | ✗ |
| | | Type | PC |
| | | Dimensions (WxDxH) | 393 x 282 x 32 mm |
| Performance | | Keyboard | |
| Motherboard chipset | Intel® PM45 Express | Keyboard type | Full-sized |
| Keyboard | Full-sized | Pointing device | Touchpad |

| Software | | Other features | |
|--|---|------------------------------|---|
| Operating system installed * | Windows Vista Business | Power requirements | External 150W or 120W HP Smart AC adapter, HP Fast Charge Technology 8-cell (73 WHr) Lithium-Ion battery, optional HP (52 WHr) Extended Life Battery, optional HP (95 WHr) Ultra-Capacity Battery |
| Bundled software | HP Recovery Manager, HP Client Manager Software, HP Client Configuration Management Agent, HP OpenView PC Configuration Management Solutions, HP Performance Tuning Framework | | |
| Processor special features | | | |
| Intel® Wireless Display (Intel® WiDi) | ✗ | Wireless option type | ✓ |
| Intel® My WiFi Technology (Intel® MWT) | ✗ | Operating temperature (T-T) | 41 - 95 °F |
| Intel® Anti-Theft Technology (Intel® AT) | ✗ | TV-in port | ✗ |
| Intel® Hyper Threading Technology (Intel® HT Technology) | ✗ | Compatible operating systems | Genuine Windows XP Professional, SuSe Linux Enterprise Desktop 10 |
| Intel® Turbo Boost Technology | ✗ | HDD user password | ✓ |
| Enhanced Intel SpeedStep Technology | ✓ | Minimum RAM | 1 MB |
| Intel® Clear Video HD Technology (Intel® CVT HD) | ✗ | Maximum hard drive capacity | 80 GB |
| Intel Clear Video Technology | ✗ | Docking solution | HP Docking Station, HP Advanced Docking Station, HP Monitor Stand, HP Adjustable Notebook Stand (all sold separately) |
| Intel® InTru™ 3D Technology | ✗ | Size | 39,4 cm (15.5") |
| Intel® Insider™ | ✗ | Expansion slots | Slots available for additional devices: 1 ExpressCard/54 slot, Media Card Reader |
| Intel® Quick Sync Video Technology | ✗ | Protection tools | HP ProtectTools, TPM Embedded Security Chip 1.2, HP Fingerprint Sensor, HP Disk Sanitizer, integrated Smart Card Reader |
| | | Weight (imperial) | Weight varies by configuration and component. Starting at 7.5 lb |
| | | Multimedia | High Definition Audio support w/24-bit DAC; Integrated stereo speakers; Integrated dual-microphone array; Touch-sensitive controls for volume up, volume down, and mute; Stereo headphone/line out; Stereo microphone in; Optional 2 MP Webcam with Business Card Reader Software |
| | | Rear ports note | 1 external VGA monitor; 1 AC power |
| | | Hard drive controller type | SATA (7200 rpm) SATA (5400 rpm) Solid State Drive |
| | | Minimum hard disk space | 250 GB |
| | | Internal modem | ✓ |
| | | Modem speed | 56 Kbit/s |
| | | Modem type | 56K |
| | | Intel segment tagging | Enterprise |



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