



HP ProBook 6570b Intel® Core™ i5 i5-3210M Sülearvuti 39,6 cm (15.6") HD+ 4 GB DDR3-SDRAM 500 GB HDD Windows 7 Professional Must

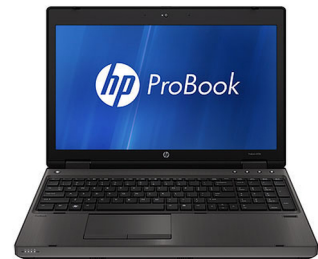
Brand : HP

Product family: ProBook

Product code: B6P81EA#ABH

Product name : 6570b

HP ProBook 6570b. Toote tüüp: Sülearvuti, Toote kuju: Kokkukäiv. Protsessori perekond: Intel® Core™ i5, Protsessori mudel: i5-3210M, Protsessori sagedus: 2,5 GHz. Ekraani diagonaal: 39,6 cm (15.6"), HD tüüp: HD+, Ekraani resolutsioon: 1600 x 900 pikslit. Sisemälu: 4 GB, Sisemälu tüüp: DDR3-SDRAM. Salvestusmaht kokku: 500 GB, Salvestusseade: HDD, Optilise seadme tüüp: DVD Super Multi DL. Installitud operatsioonisüsteem: Windows 7 Professional. Toote värv: Must



| Design | | Keyboard | |
|---------------------------|----------------------------------|--|--------------------------|
| Product type * | Laptop | Windows keys | ✓ |
| Product colour * | Black | Keyboard layout | QWERTY |
| Form factor * | Clamshell | Software | |
| Country of origin | China | Operating system architecture | 64-bit |
| Display | | Operating system installed * | Windows 7 Professional |
| Display diagonal * | 39.6 cm (15.6") | Bundled software | Microsoft Office Starter |
| Display resolution * | 1600 x 900 pixels | Processor special features | |
| Touchscreen * | ✗ | Intel® Wireless Display (Intel® WiDi) | ✓ |
| HD type | HD+ | Intel® My WiFi Technology (Intel® MWT) | ✓ |
| LED backlight | ✓ | Intel® Anti-Theft Technology (Intel® AT) | ✓ |
| Native aspect ratio | 16:9 | Intel® Smart Response Technology | ✗ |
| Display surface | Matt | Intel® Identity Protection Technology (Intel® IPT) | ✓ |
| Processor | | Intel® Hyper Threading Technology (Intel® HT Technology) | ✓ |
| Processor manufacturer * | Intel | Intel® Turbo Boost Technology | 2.0 |
| Processor family * | Intel® Core™ i5 | Intel® Small Business Advantage (Intel® SBA) | ✗ |
| Processor generation | 3rd gen Intel® Core™ i5 | Enhanced Intel SpeedStep Technology | ✓ |
| Processor model * | i5-3210M | Intel® Clear Video HD Technology (Intel® CVT HD) | ✓ |
| Processor cores | 2 | Intel Clear Video Technology | ✗ |
| Processor threads | 4 | Intel® InTru™ 3D Technology | ✓ |
| Processor boost frequency | 3.1 GHz | Intel® Insider™ | ✓ |
| Processor frequency * | 2.5 GHz | Intel® Quick Sync Video Technology | ✓ |
| System bus rate | 5 GT/s | | |
| Processor cache | 3 MB | | |
| Processor cache type | Smart Cache | | |
| Processor socket | BGA 1023 | | |
| Processor lithography | 22 nm | | |
| Processor operating modes | 64-bit | | |
| Processor series | Intel Core i5-3200 Mobile series | | |

| Processor | | Processor special features | |
|--|---------------------------|---|-----------------------|
| Processor codename | Ivy Bridge | Intel Flex Memory Access | ✓ |
| Bus type | DMI | Intel® Smart Cache | ✓ |
| FSB Parity | ✗ | Intel® AES New Instructions (Intel® AES-NI) | ✓ |
| Stepping | L1 | Intel Trusted Execution Technology | ✗ |
| Thermal Design Power (TDP) | 35 W | Intel Enhanced Halt State | ✓ |
| Tjunction | 105 °C | Intel VT-x with Extended Page Tables (EPT) | ✓ |
| Maximum number of PCI Express lanes | 16 | Intel Demand Based Switching | ✗ |
| PCI Express slots version | 3.0 | Intel® Secure Key | ✓ |
| PCI Express configurations | 1x16, 2x8, 1x8+2x4 | Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID) | ✗ |
| Number of processors supported | 1 | Intel 64 | ✓ |
| Maximum number of SMP processors | 1 | Execute Disable Bit | ✓ |
| CPU multiplier (bus/core ratio) | 25 | Idle States | ✓ |
| ECC supported by processor | ✗ | Thermal Monitoring Technologies | ✓ |
| Memory | | Processor package size | 31.0 x 24.0 (BGA1023) |
| Internal memory * | 4 GB | Supported instruction sets | AVX |
| Internal memory type | DDR3-SDRAM | Processor code | SR0N0 |
| Memory clock speed | 1600 MHz | CPU configuration (max) | 1 |
| Memory slots | 2x SO-DIMM | Embedded options available | ✗ |
| Maximum internal memory * | 16 GB | Graphics & IMC lithography | 22 nm |
| Storage | | Intel Virtualization Technology for Directed I/O (VT-d) | ✓ |
| Total storage capacity * | 500 GB | Intel Identity Protection Technology version | 1.00 |
| Storage media * | HDD | Intel Secure Key Technology version | 1.00 |
| Number of HDDs installed | 1 | Intel Virtualization Technology (VT-x) | ✓ |
| HDD capacity | 500 GB | Intel Dual Display Capable Technology | ✓ |
| HDD interface | SATA II | Intel FDI Technology | ✓ |
| HDD speed | 7200 RPM | Intel Rapid Storage Technology | ✗ |
| Optical drive type * | DVD Super Multi DL | Intel Fast Memory Access | ✓ |
| Card reader integrated | ✓ | Processor ARK ID | 65708 |
| Compatible memory cards | MMC, SD | Conflict-Free processor | ✓ |
| Graphics | | Integrated 4G WiMAX | ✓ |
| Discrete graphics card model * | Not available | Battery | |
| On-board graphics card * | ✓ | Battery technology | Lithium-Ion (Li-Ion) |
| Discrete graphics card * | ✗ | Number of battery cells | 6 |
| On-board graphics card family | Intel® HD Graphics | Battery capacity * | 55 Wh |
| On-board graphics card model * | Intel® HD Graphics 4000 | Battery life (max) | 7.25 h |
| On-board graphics card base frequency | 650 MHz | Power | |
| On-board graphics card dynamic frequency (max) | 1100 MHz | AC adapter power | 65 W |
| On-board graphics card ID | 0x166 | DC-in jack | ✓ |
| Audio | | Security | |
| Audio system | HD | Cable lock slot | ✓ |
| Number of built-in speakers | 2 | Fingerprint reader | ✓ |
| Built-in microphone | ✓ | Trusted Platform Module (TPM) | ✓ |
| Camera | | Operational conditions | |
| Front camera | ✓ | Operating temperature (T-T) | 5 - 35 °C |
| Network | | Storage temperature (T-T) | -24 - 45 °C |
| Wi-Fi | ✓ | Operating relative humidity (H-H) | 10 - 85% |
| Wi-Fi standards | 802.11a, 802.11b, 802.11g | Storage relative humidity (H-H) | 10 - 90% |
| Ethernet LAN | ✓ | Certificates | |
| Ethernet LAN data rates | 10,100,1000 Mbit/s | Compliance certificates | RoHS |
| Bluetooth | ✓ | | |
| Bluetooth version | 4.0 | | |
| WWAN | Not installed | | |
| Cabling technology | 10/100/1000Base-T(X) | | |

| Ports & interfaces | | Sustainability | |
|---|--------------------|-----------------------------|---------------------------|
| USB 2.0 ports quantity * | 2 | Sustainability certificates | EPEAT Silver, ENERGY STAR |
| USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 2 | Weight & dimensions | |
| eSATA/USB 2.0 ports quantity | 1 | Width | 374 mm |
| Ethernet LAN (RJ-45) ports | 1 | Depth | 251 mm |
| DisplayPorts quantity | 1 | Height | 34 mm |
| DVI port | ✗ | Weight * | 2.51 kg |
| VGA (D-Sub) ports quantity | 1 | Packaging content | |
| Firewire (IEEE 1394) ports | 1 | AC adapter included * | ✓ |
| Headphone outputs | 1 | Cables included | AC |
| S/PDIF out port | ✗ | Manual | ✓ |
| Microphone in | ✓ | Quick start guide | ✓ |
| Combo headphone/mic port | ✗ | Warranty card | ✓ |
| Docking connector | ✓ | Other features | |
| ExpressCard slot | ✓ | LightScribe | ✗ |
| CardBus PCMCIA slot type | ✗ | Infrared data port | ✗ |
| SmartCard slot | ✗ | Graphics card family | Intel |
| Modem (RJ-11) ports | 1 | 3D | ✗ |
| Serial ports quantity | 1 | Intel segment tagging | Enterprise |
| Performance | | | |
| Motherboard chipset | Intel HM76 Express | | |
| Keyboard | | | |
| Pointing device | Touchpad | | |
| Numeric keypad * | ✓ | | |
| Spill-resistant keyboard | ✓ | | |
| Full-size keyboard | ✓ | | |



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