# HP 2230s Intel® Core™2 Duo P7370 30.7 cm (12.1") 3 GB DDR2-SDRAM 250 GB Intel® GMA 4500MHD Windows Vista Business

**Brand :** HP

**Product code:** FU314EA#ABH

**Product name :** 2230s

Intel Core 2 Duo P7370 (2.0GHz, 3MB L2, 1066MHz), 12.1" 1280 x 800 WXGA BrightView, (1 x 1024MB + 1 x 2048MB) DDR2, 250GB SATA 5400 rpm, DVD±RW SuperMulti DL LightScribe, Intel GMA 4500 HD, Intel 802.11a/b/g/n, camera, Bluetooth, Windows Vista Business
HP 2230s. Processor family: Intel® Core™2 Duo, Processor model: P7370, Processor frequency: 2 GHz. Display diagonal: 30.7 cm (12.1"), Display resolution: 1280 x 800 pixels. Internal memory: 3 GB, Internal memory type: DDR2-SDRAM. Total storage capacity: 250 GB. Discrete graphics card model: Intel® GMA 4500MHD. Operating system installed: Windows Vista Business. Weight: 1.68 kg

| Design | |
|---|---|
| Country of origin | China |

| Display | |
|---|---|
| Display diagonal * | 30.7 cm (12.1") |
| Display resolution * | 1280 x 800 pixels |
| Native aspect ratio | 16:10 |

| Processor | |
|---|---|
| Processor manufacturer * | Intel |
| Processor family * | Intel® Core™2 Duo |
| Processor model * | P7370 |
| Processor cores | 2 |
| Processor threads | 2 |
| Processor frequency * | 2 GHz |
| Processor cache | 3 MB |
| Processor cache type | L2 |
| Processor socket | Socket 478 |
| Processor front side bus | 1066 MHz |
| Processor lithography | 45 nm |
| Processor operating modes | 64-bit |
| Processor series | Intel Core 2 Duo P7000 Series |
| Processor codename | Penryn |
| Bus type | FSB |
| FSB Parity | ✕ |
| Stepping | R0 |
| Thermal Design Power (TDP) | 25 W |
| Number of Processing Die Transistors | 410 M |
| Processing Die size | 107 mm² |
| CPU multiplier (bus/core ratio) | 7.5 |
| ECC supported by processor | ✕ |

| Memory | |
|---|---|
| Internal memory * | 3 GB |
| Internal memory type | DDR2-SDRAM |
| Memory slots | 2x SO-DIMM |
| Maximum internal memory * | 8 GB |

| Storage | |
|---|---|
| Total storage capacity * | 250 GB |
| HDD interface | SATA |

| Software | |
|---|---|
| Operating system installed * | Windows Vista Business |

| Processor special features | |
|---|---|
| Intel® Wireless Display (Intel® WiDi) | ✕ |
| Intel® My WiFi Technology (Intel® MWT) | ✕ |
| Intel® Anti-Theft Technology (Intel® AT) | ✕ |
| Intel® Hyper Threading Technology (Intel® HT Technology) | ✕ |
| Intel® Turbo Boost Technology | ✕ |
| Enhanced Intel SpeedStep Technology | ✔ |
| Intel® Clear Video HD Technology (Intel® CVT HD) | ✕ |
| Intel Clear Video Technology | ✕ |
| Intel® InTru™ 3D Technology | ✕ |
| Intel® Insider™ | ✕ |
| Intel® Quick Sync Video Technology | ✕ |
| Intel Flex Memory Access | ✕ |
| Intel® AES New Instructions (Intel® AES-NI) | ✕ |
| Intel Trusted Execution Technology | ✕ |
| Intel Enhanced Halt State | ✕ |
| Intel VT-x with Extended Page Tables (EPT) | ✕ |
| Intel Demand Based Switching | ✕ |
| Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID) | ✕ |
| Intel 64 | ✔ |
| Execute Disable Bit | ✔ |
| Thermal Monitoring Technologies | ✕ |
| Processor package size | 35 x 35 mm |
| Processor code | SLGF9 |
| Embedded options available | ✕ |
| Intel Virtualization Technology for Directed I/O (VT-d) | ✕ |

| Storage | |
|---|---|
| HDD speed | 5400 RPM |
| Card reader integrated | ✔ |
| Compatible memory cards | SD |

| Graphics | |
|---|---|
| Discrete graphics card model * | Intel® GMA 4500MHD |
| Discrete graphics card * | ✔ |
| Maximum graphics card memory | 0.384 GB |

| Audio | |
|---|---|
| Audio system | High Definition Audio |
| Number of built-in speakers | 2 |

| Network | |
|---|---|
| Networking features | Gigabit Ethernet |
| Bluetooth | ✔ |
| Bluetooth version | 2.0+EDR |

| Ports & interfaces | |
|---|---|
| USB 2.0 ports quantity * | 3 |
| Ethernet LAN (RJ-45) ports | 1 |
| HDMI ports quantity * | 1 |
| DVI port | ✘ |
| VGA (D-Sub) ports quantity | 1 |
| Headphone outputs | 1 |
| S/PDIF out port | ✘ |
| Microphone in | ✔ |
| Docking connector | ✘ |
| ExpressCard slot | ✔ |
| CardBus PCMCIA slot type | ✘ |
| SmartCard slot | ✔ |
| Modem (RJ-11) ports | 1 |
| TV-out | ✘ |

| Performance | |
|---|---|
| Motherboard chipset | Intel® GM45 Express |

| Keyboard | |
|---|---|
| Pointing device | Touchpad |
| Keyboard layout | QWERTY |

| Processor special features | |
|---|---|
| Intel Virtualization Technology (VT-x) | ✔ |
| Intel Dual Display Capable Technology | ✘ |
| Intel FDI Technology | ✘ |
| Intel Rapid Storage Technology | ✘ |
| Intel Fast Memory Access | ✘ |
| Processor ARK ID | 37117 |
| Conflict-Free processor | ✘ |

| Battery | |
|---|---|
| Number of battery cells | 4 |
| Battery life (max) | 3.5 h |

| Power | |
|---|---|
| DC-in jack | ✔ |

| Security | |
|---|---|
| Cable lock slot | ✔ |
| Cable lock slot type | Kensington |

| Weight & dimensions | |
|---|---|
| Width | 294 mm |
| Depth | 226 mm |
| Height (front) | 2.8 cm |
| Weight * | 1.68 kg |

| Other features | |
|---|---|
| Wireless technology | IEEE 802.11a/b/g/n |
| LightScribe | ✔ |
| Infrared data port | ✘ |
| Type | PC |
| Display | LCD |
| TV-in port | ✘ |
| Internal modem | ✔ |
| Modem speed | 56 Kbit/s |

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