



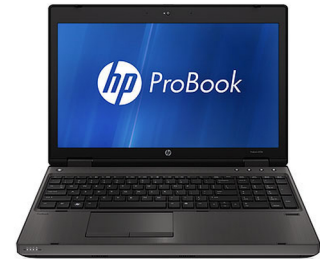
HP ProBook 6570b Intel® Core™ i5 i5-3210M 39.6 cm (15.6") HD+ 4 GB DDR3-SDRAM 500 GB HDD Windows 7 Professional

Brand : HP

Product family: ProBook

Product code: B6P81EA#ABB

Product name : 6570b



Intel Core i5-3210M (3M Cache, up to 3.10 GHz), 4GB DDR3 SDRAM, 500GB HDD, 15.6" LED LCD, Intel HD Graphics 4000, DVD Super-Multi DL, Gigabit Ethernet, 802.11a/b/g/n, Bluetooth 4.0+EDR, Windows 7 Professional 64-Bit

HP ProBook 6570b. Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor model: i5-3210M, Processor frequency: 2.5 GHz. Display diagonal: 39.6 cm (15.6"), HD type: HD+, Display resolution: 1600 x 900 pixels. Internal memory: 4 GB, Internal memory type: DDR3-SDRAM. Total storage capacity: 500 GB, Storage media: HDD, Optical drive type: DVD Super Multi DL. On-board graphics card model: Intel® HD Graphics 4000. Operating system installed: Windows 7 Professional. Weight: 2.51 kg

Design		Keyboard	
Form factor *	Clamshell	Full-size keyboard	✓
Country of origin	China		
Display		Software	
Display diagonal *	39.6 cm (15.6")	Operating system architecture	64-bit
Display resolution *	1600 x 900 pixels	Operating system installed *	Windows 7 Professional
Touchscreen *	✗	Bundled software	Adobe Flash Player Microsoft Security Essentials WinZip Basic
HD type	HD+		
LED backlight	✓	Processor special features	
Native aspect ratio	16:9	Intel® Wireless Display (Intel® WiDi)	✓
Display diagonal (metric)	15.6 cm	Intel® My WiFi Technology (Intel® MWT)	✓
Processor		Intel® Anti-Theft Technology (Intel® AT)	✓
Processor manufacturer *	Intel	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor family *	Intel® Core™ i5	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor generation	3rd gen Intel® Core™ i5	Intel® Turbo Boost Technology	2.0
Processor model *	i5-3210M	Enhanced Intel SpeedStep Technology	✓
Processor cores	2	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor threads	4	Intel Clear Video Technology	✗
Processor boost frequency	3.1 GHz	Intel® InTru™ 3D Technology	✓
Processor frequency *	2.5 GHz	Intel® Insider™	✓
System bus rate	5 GT/s	Intel® Quick Sync Video Technology	✓
Processor cache	3 MB	Intel Flex Memory Access	✓
Processor cache type	Smart Cache	Intel® Smart Cache	✓
Processor socket	BGA 1023	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor lithography	22 nm	Intel Trusted Execution Technology	✗
Processor operating modes	64-bit	Intel Enhanced Halt State	✓
Processor series	Intel Core i5-3200 Mobile series	Intel VT-x with Extended Page Tables (EPT)	✓
Processor codename	Ivy Bridge	Intel Demand Based Switching	✗
Bus type	DMI	Intel® Secure Key	✓
FSB Parity	✗	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Stepping	L1	Intel 64	✓
Thermal Design Power (TDP)	35 W		
Tjunction	105 °C		
Maximum number of PCI Express lanes	16		
PCI Express slots version	3.0		
PCI Express configurations	1x16, 2x8, 1x8+2x4		
CPU multiplier (bus/core ratio)	25		
ECC supported by processor	✗		

Memory		Processor special features	
Internal memory *	4 GB	Execute Disable Bit	✓
Internal memory type	DDR3-SDRAM	Idle States	✓
Memory clock speed	1600 MHz	Thermal Monitoring Technologies	✓
Memory slots	2x SO-DIMM	Processor package size	31.0 x 24.0 (BGA1023)
Maximum internal memory *	16 GB	Supported instruction sets	AVX
Storage		Processor code	SR0N0
Total storage capacity *	500 GB	CPU configuration (max)	1
Storage media *	HDD	Embedded options available	✗
Number of HDDs installed	1	Graphics & IMC lithography	22 nm
HDD capacity	500 GB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
HDD interface	SATA II	Intel Identity Protection Technology version	1.00
HDD speed	7200 RPM	Intel Secure Key Technology version	1.00
Optical drive type *	DVD Super Multi DL	Intel Virtualization Technology (VT-x)	✓
Card reader integrated	✓	Intel Dual Display Capable Technology	✓
Compatible memory cards	MMC, SD	Intel FDI Technology	✓
Graphics		Intel Rapid Storage Technology	✗
Discrete graphics card model *	Not available	Intel Fast Memory Access	✓
On-board graphics card *	✓	Processor ARK ID	65708
Discrete graphics card *	✗	Conflict-Free processor	✓
On-board graphics card family	Intel® HD Graphics	Integrated 4G WiMAX	✓
On-board graphics card model *	Intel® HD Graphics 4000	Battery	
On-board graphics card base frequency	650 MHz	Battery technology	Lithium-Ion (Li-Ion)
On-board graphics card dynamic frequency (max)	1100 MHz	Number of battery cells	6
On-board graphics card ID	0x166	Battery capacity *	55 Wh
Audio		Battery life (max)	7.25 h
Audio system	SRS PS	Power	
Built-in speaker(s)	✓	AC adapter power	65 W
Built-in microphone	✓	AC adapter frequency	50 - 60 Hz
Network		AC adapter input voltage	100 - 240 V
Wi-Fi	✓	DC-in jack	✓
Wi-Fi standards	802.11a, 802.11b, 802.11g	Security	
Ethernet LAN	✓	Cable lock slot	✓
Ethernet LAN data rates	10,100,1000 Mbit/s	Trusted Platform Module (TPM)	✓
Bluetooth	✓	Sustainability	
Bluetooth version	4.0	Sustainability certificates	ENERGY STAR
WWAN	Not installed	Weight & dimensions	
Cabling technology	10/100/1000Base-T(X)	Width	374 mm
Ports & interfaces		Depth	251 mm
USB 2.0 ports quantity *	2	Height	34 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Weight *	2.51 kg
eSATA/USB 2.0 ports quantity	1	Packaging content	
Ethernet LAN (RJ-45) ports	1	AC adapter included *	✓
DisplayPorts quantity	1	Handheld remote control	✗
DVI port	✗	Other features	
VGA (D-Sub) ports quantity	1	Infrared data port	✗
Firewire (IEEE 1394) ports	1	Graphics card family	Intel
Headphone outputs	1	Type	PC
S/PDIF out port	✗	Display	LCD
Microphone in	✓	Power supply type	AC/DC
Docking connector	✓	Compliance industry standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab
ExpressCard slot	✓	Ethernet interface type	Gigabit Ethernet
CardBus PCMCIA slot type	✗		
SmartCard slot	✗		
Serial ports quantity	1		

Performance		Other features	
Motherboard chipset	Intel HM76 Express	Floppy drive installed	✗
Keyboard		Internal modem	✗
Pointing device	Touchpad	Intel segment tagging	Enterprise
Numeric keypad *	✓		
Spill-resistant keyboard	✓		

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