



HP ProBook 4440s Intel® Core™ i5 i5-3210M Laptop 35,6 cm (14") 4 GB DDR3-SDRAM 500 GB HDD Windows 7 Professional Black, Metallic

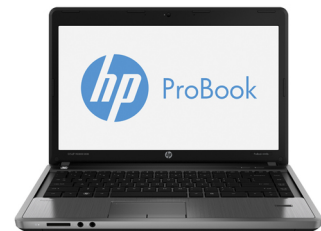
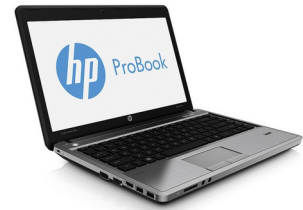
Brand : HP

Product family: ProBook

Product code: C9J58LT

Product name : 4440s

HP ProBook 4440s. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor model: i5-3210M, Processor frequency: 2,5 GHz. Display diagonal: 35,6 cm (14"), Display resolution: 1366 x 768 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. Product colour: Black, Metallic



Design		Keyboard	
Product type *	Laptop	Pointing device	Touchpad
Product colour *	Black, Metallic	Numeric keypad *	✗
Form factor *	Clamshell	Software	
Country of origin	China	Operating system architecture	64-bit
Display		Operating system installed *	Windows 7 Professional
Display diagonal *	35,6 cm (14")	Bundled software	HP Recovery Manager HP Support Assistant HP Power Assistant HP Connection Manager ArcSoft Total Media Suite WinZip
Display resolution *	1366 x 768 pixels		
Touchscreen *	✗	Processor special features	
LED backlight	✓	Intel® Wireless Display (Intel® WiDi)	✓
Native aspect ratio	16:9	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	Intel® Small Business Advantage (Intel® SBA)	✗
Processor cores	2	Enhanced Intel SpeedStep Technology	✓
Processor threads	4	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor boost frequency	3,1 GHz	Intel Clear Video Technology	✗
Processor frequency *	2,5 GHz	Intel® InTru™ 3D Technology	✓
System bus rate	5 GT/s	Intel® Insider™	✓
Processor cache	3 MB	Intel® Quick Sync Video Technology	✓
Processor cache type	Smart Cache	Intel Flex Memory Access	✓
Processor socket	BGA 1023	Intel® Smart Cache	✓
Processor lithography	22 nm		
Processor operating modes	64-bit		
Processor series	Intel Core i5-3200 Mobile series		
Processor codename	Ivy Bridge		
Bus type	DMI		
FSB Parity	✗		
Stepping	L1		
Thermal Design Power (TDP)	35 W		
Tjunction	105 °C		

Processor		Processor special features	
Maximum number of PCI Express lanes	16	Intel® AES New Instructions (Intel® AES-NI)	✓
PCI Express slots version	3.0	Intel Trusted Execution Technology	✗
PCI Express configurations	1x16, 2x8, 1x8+2x4	Intel Enhanced Halt State	✓
CPU multiplier (bus/core ratio)	25	Intel VT-x with Extended Page Tables (EPT)	✓
ECC supported by processor	✗	Intel Demand Based Switching	✗
Memory		Intel® Secure Key	✓
Internal memory *	4 GB	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Internal memory type	DDR3-SDRAM	Intel 64	✓
Memory clock speed	1333 MHz	Execute Disable Bit	✓
Memory slots	2x SO-DIMM	Idle States	✓
Storage		Thermal Monitoring Technologies	✓
Total storage capacity *	500 GB	Processor package size	31.0 x 24.0 (BGA1023)
Storage media *	HDD	Supported instruction sets	AVX
Number of HDDs installed	1	Processor code	SR0N0
HDD capacity	500 GB	CPU configuration (max)	1
HDD interface	SATA	Embedded options available	✗
HDD speed	5400 RPM	Graphics & IMC lithography	22 nm
Optical drive type *	DVD Super Multi DL	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Card reader integrated	✓	Intel Identity Protection Technology version	1,00
Graphics		Intel Secure Key Technology version	1,00
On-board graphics card *	✓	Intel Virtualization Technology (VT-x)	✓
On-board graphics card family	Intel® HD Graphics	Intel Dual Display Capable Technology	✓
On-board graphics card model *	Intel® HD Graphics 4000	Intel FDI Technology	✓
On-board graphics card base frequency	650 MHz	Intel Rapid Storage Technology	✗
On-board graphics card dynamic frequency (max)	1100 MHz	Intel Fast Memory Access	✓
On-board graphics card ID	0x166	Processor ARK ID	65708
Audio		Conflict-Free processor	✓
Audio system	SRS Premium PRO	Integrated 4G WiMAX	✓
Built-in speaker(s)	✓	Battery	
Built-in microphone	✓	Battery technology	Lithium-Ion (Li-Ion)
Network		Number of battery cells	6
Wi-Fi	✓	Battery capacity *	47 Wh
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)	Battery life (max)	7,3 h
Ethernet LAN	✓	Power	
Ethernet LAN data rates	10,100,1000 Mbit/s	AC adapter power	65 W
Bluetooth	✓	DC-in jack	✓
Bluetooth version	4.0	Security	
Ports & interfaces		Cable lock slot	✗
USB 2.0 ports quantity *	2	Weight & dimensions	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Width	339 mm
Ethernet LAN (RJ-45) ports	1	Depth	235 mm
HDMI ports quantity *	1	Height	28 mm
DVI port	✗	Weight *	2,07 kg
VGA (D-Sub) ports quantity	1	Other features	
Headphone outputs	1	Intel segment tagging	Enterprise
S/PDIF out port	✗		
Microphone in	✓		
Docking connector	✗		
ExpressCard slot	✗		
CardBus PCMCIA slot type	✗		
SmartCard slot	✗		

Performance

Motherboard chipset Intel HM76 Express

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