



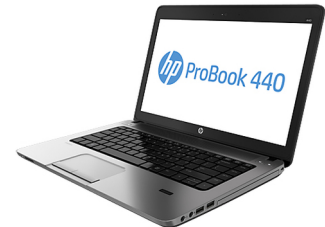
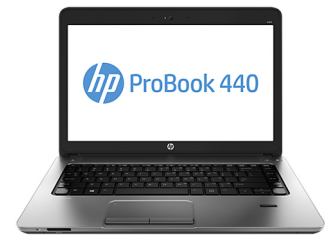
HP ProBook 440 G1 Intel® Core™ i5 i5-4200M Laptop 35,6 cm (14") 4 GB DDR3-SDRAM 500 GB HDD Windows 7 Professional Black, Silver

Brand : HP

Product family: ProBook

Product code: C7N87AV

Product name : 440 G1



Intel Core i5-4200M 2.5GHz, Intel HM87, 4GB 1600MHz DDR3 SDRAM, 500GB 5400 rpm SATA, Intel HD 4600, DVD SuperMulti DL, 14" LED 1366 x 768, Gigabit LAN, WLAN, Bluetooth, Windows 7 Professional 64-bit / Windows 8.1 Pro

HP ProBook 440 G1. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor model: i5-4200M, 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 4600. Operating system installed: Windows 7 Professional. Product colour: Black, Silver

Design		Performance	
Product type *	Laptop	Motherboard chipset	Intel® HM87
Product colour *	Black, Silver	Keyboard	
Form factor *	Clamshell	Pointing device	Touchpad
Country of origin	China	Numeric keypad *	✗
Display		Spill-resistant keyboard	✓
Display diagonal *	35,6 cm (14")	Full-size keyboard	✓
Display resolution *	1366 x 768 pixels	Software	
Touchscreen *	✗	Operating system architecture	64-bit
HD type	Not supported	Recovery operating system	Windows 8.1 Pro
LED backlight	✓	Operating system installed *	Windows 7 Professional
Native aspect ratio	16:9	Processor special features	
Display surface	Matt	Intel® Wireless Display (Intel® WiDi)	✓
Processor		Intel® My WiFi Technology (Intel® MWT)	✗
Processor manufacturer *	Intel	Intel® Anti-Theft Technology (Intel® AT)	✓
Processor family *	Intel® Core™ i5	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor generation	4th gen Intel® Core™ i5	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor model *	i5-4200M	Intel® Turbo Boost Technology	2.0
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	PGA946	Intel® Smart Cache	✓
Processor lithography	22 nm		
Processor operating modes	64-bit		
Processor series	Intel Core i5-4200 Mobile series		
Processor codename	Haswell		
Bus type	DMI		
FSB Parity	✗		
Stepping	C0		
Thermal Design Power (TDP)	37 W		

Processor		Processor special features	
Tjunction	100 °C	Intel® AES New Instructions (Intel® AES-NI)	✓
Maximum number of PCI Express lanes	16	Intel Trusted Execution Technology	✗
PCI Express slots version	3.0	Intel Enhanced Halt State	✗
PCI Express configurations	1x16, 2x8, 1x8+2x4	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 TSX-NI	✗
Internal memory type	DDR3-SDRAM	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Memory clock speed	1600 MHz	Intel 64	✓
Memory layout (slots x size)	1 x 4 GB	Execute Disable Bit	✓
Memory slots	2x SO-DIMM	Idle States	✓
Storage		Thermal Monitoring Technologies	✓
Total storage capacity *	500 GB	Processor package size	37.5 x 37.5 x 4.7 mm
Storage media *	HDD	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Number of HDDs installed	1	Processor code	SR1HA
HDD capacity	500 GB	CPU configuration (max)	1
HDD interface	SATA	Embedded options available	✗
HDD speed	7200 RPM	Intel Virtualization Technology for Directed I/O (VT-d)	✗
Optical drive type *	DVD Super Multi DL	Intel Identity Protection Technology version	1,00
Card reader integrated	✓	Intel Secure Key Technology version	1,00
Compatible memory cards	SD	Intel TSX-NI version	0,00
Graphics		Intel Virtualization Technology (VT-x)	✓
Discrete graphics card model *	Not available	Intel Dual Display Capable Technology	✗
On-board graphics card *	✓	Intel FDI Technology	✗
Discrete graphics card *	✗	Intel Rapid Storage Technology	✗
On-board graphics card family	Intel® HD Graphics	Intel Fast Memory Access	✗
On-board graphics card model *	Intel® HD Graphics 4600	Processor ARK ID	76348
On-board graphics card base frequency	400 MHz	Conflict-Free processor	✓
On-board graphics card dynamic frequency (max)	1150 MHz	Battery	
Maximum on-board graphics card memory	1,74 GB	Battery technology	Lithium-Ion (Li-Ion)
On-board graphics card DirectX version	11.1	Number of battery cells	6
On-board graphics card ID	0x416	Battery capacity *	47 Wh
Audio		Battery life (max)	9,25 h
Audio system	DTS Sound+	Power	
Built-in microphone	✓	AC adapter power	65 W
Camera		DC-in jack	✓
Front camera	✓	Security	
Network		Cable lock slot	✓
Wi-Fi	✓	Sustainability	
Wi-Fi standards	802.11a, 802.11b, 802.11g	Sustainability certificates	ENERGY STAR
Ethernet LAN	✓	Weight & dimensions	
Ethernet LAN data rates	10,100,1000 Mbit/s	Width	339,2 mm
Bluetooth	✓	Depth	238,5 mm
Bluetooth version	4.0	Height	22,4 mm
Ports & interfaces		Weight *	1,97 kg
USB 2.0 ports quantity *	2	Packaging content	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	AC adapter included *	✓
Ethernet LAN (RJ-45) ports	1	Manual	✓
HDMI ports quantity *	1	Warranty card	✓
DVI port	✗		
VGA (D-Sub) ports quantity	1		

Ports & interfaces		Other features	
Headphone outputs	1	LightScribe	×
S/PDIF out port	×	Intel segment tagging	Enterprise, Professional
Microphone in	✓		
Docking connector	×		
ExpressCard slot	×		
CardBus PCMCIA slot type	×		
SmartCard slot	×		



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