



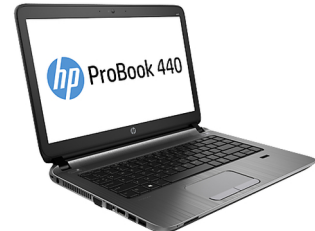
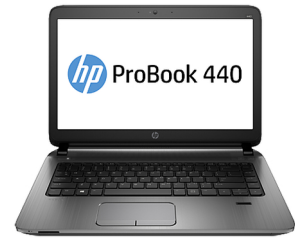
## HP ProBook 440 G2 Intel® Core™ i7 i7-5500U Laptop 35,6 cm (14") HD 8 GB DDR3L-SDRAM 1 TB HDD AMD Radeon R5 M255 Wi-Fi 4 (802.11n) Windows 7 Professional Black, Silver

Brand : HP

Product family: ProBook

Product code: L4E77PP

Product name : 440 G2



Intel Core i7-5500U (2.4 GHz), 14" HD (1366 x 768) LED, 8GB DDR3L, 1TB SATA HDD, Intel HD Graphics 5500 + AMD Radeon R5 M255 2GB DDR3, Gigabit Ethernet, WLAN 802.11b/g/n, Bluetooth 4.0, Windows 7 Pro 64 bit

HP ProBook 440 G2. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-5500U, Processor frequency: 2,4 GHz. Display diagonal: 35,6 cm (14"), HD type: HD, Display resolution: 1366 x 768 pixels. Internal memory: 8 GB, Internal memory type: DDR3L-SDRAM. Total storage capacity: 1 TB, Storage media: HDD, Optical drive type: DVD Super Multi DL. Operating system installed: Windows 7 Professional. Product colour: Black, Silver

Design		Keyboard	
Product type *	Laptop	Spill-resistant keyboard	✓
Product colour *	Black, Silver	Full-size keyboard	✓
Form factor *	Clamshell		
Country of origin	China		
Display		Software	
Display diagonal *	35.6 cm (14")	Operating system architecture	64-bit
Display resolution *	1366 x 768 pixels	Recovery operating system	Windows 8.1 Pro
Touchscreen *	✗	Operating system installed *	Windows 7 Professional
HD type	HD		
LED backlight	✓		
Native aspect ratio	16:9		
Processor		Processor special features	
Processor manufacturer *	Intel	Intel® Wireless Display (Intel® WiDi)	✓
Processor family *	Intel® Core™ i7	Intel® My WiFi Technology (Intel® MWT)	✗
Processor generation	5th gen Intel® Core™ i7	Intel® Anti-Theft Technology (Intel® AT)	✗
Processor model *	i7-5500U	Intel® Smart Response Technology	✓
Processor cores	2	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor threads	4	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor boost frequency	3 GHz	Intel® Turbo Boost Technology	2.0
Processor frequency *	2.4 GHz	Intel® Small Business Advantage (Intel® SBA)	✓
System bus rate	5 GT/s	Enhanced Intel SpeedStep Technology	✓
Processor cache	4 MB	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor cache type	L3	Intel Clear Video Technology	✓
Processor socket	BGA 1168	Intel® InTru™ 3D Technology	✓
Processor lithography	14 nm	Intel® Insider™	✓
Processor operating modes	32-bit, 64-bit	Intel® Quick Sync Video Technology	✓
Processor series	Intel Core i7-5500 Mobile Series	Intel Flex Memory Access	✓
Processor codename	Broadwell	Intel® Smart Cache	✓
Bus type	DMI2	Intel® AES New Instructions (Intel® AES-NI)	✓
FSB Parity	✗	Intel Trusted Execution Technology	✗
Stepping	F0		
Thermal Design Power (TDP)	15 W		
Configurable TDP-down	7.5 W		

Processor		Processor special features	
Configurable TDP-down frequency	0.6 GHz	Intel Enhanced Halt State	✓
Tjunction	105 °C	Intel VT-x with Extended Page Tables (EPT)	✓
Maximum number of PCI Express lanes	12	Intel Demand Based Switching	✗
PCI Express slots version	2.0	Intel® Secure Key	✓
PCI Express configurations	4x1, 2x4	Intel TSX-NI	✗
ECC supported by processor	✗	Intel Stable Image Platform Program (SIPP)	✗
Memory		Intel® OS Guard	✓
Internal memory *	8 GB	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
Internal memory type	DDR3L-SDRAM	Intel 64	✓
Memory clock speed	1600 MHz	Execute Disable Bit	✓
Memory layout (slots x size)	1 x 8 GB	Idle States	✓
Memory slots	2x SO-DIMM	Thermal Monitoring Technologies	✓
Storage		Processor package size	40 x 24 x 1.3 mm
Total storage capacity *	1 TB	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Storage media *	HDD	Processor code	SR23W
Total HDDs capacity	1 TB	CPU configuration (max)	1
Number of HDDs installed	1	Embedded options available	✗
HDD capacity	1 TB	Graphics & IMC lithography	14 nm
HDD interface	SATA	Intel Virtualization Technology for Directed I/O (VT-d)	✓
HDD speed	5400 RPM	Intel Identity Protection Technology version	1.00
Optical drive type *	DVD Super Multi DL	Intel Smart Response Technology version	1.00
Card reader integrated	✓	Intel Stable Image Platform Program (SIPP) version	0.00
Graphics		Intel Secure Key Technology version	1.00
Discrete graphics card model *	AMD Radeon R5 M255	Intel Small Business Advantage (SBA) version	1.00
Discrete graphics card memory	2 GB	Intel TSX-NI version	0.00
Discrete graphics memory type	GDDR3	Intel Virtualization Technology (VT-x)	✓
On-board graphics card *	✓	Intel Dual Display Capable Technology	✗
Discrete graphics card *	✓	Intel FDI Technology	✓
On-board graphics card family	Intel® HD Graphics	Intel Rapid Storage Technology	✗
On-board graphics card model *	Intel® HD Graphics 5500	Intel Fast Memory Access	✓
On-board graphics card base frequency	300 MHz	Processor ARK ID	85214
On-board graphics card dynamic frequency (max)	950 MHz	Conflict-Free processor	✓
Maximum on-board graphics card memory	16 GB	Battery	
On-board graphics card DirectX version	11.2	Battery technology	Lithium-Ion (Li-Ion)
On-board graphics card ID	0x1616	Number of battery cells	4
Graphics card Open GL support	✓	Battery capacity *	40 Wh
Audio		Power	
Audio system	DTS Sound+	DC-in jack	✓
Number of built-in speakers	2	Security	
Built-in microphone	✓	Cable lock slot	✓
Camera		Fingerprint reader	✓
Front camera	✓	Trusted Platform Module (TPM)	✓
Network		Sustainability	
Wi-Fi	✓	Sustainability certificates	ENERGY STAR
Top Wi-Fi standard *	Wi-Fi 4 (802.11n)	Weight & dimensions	
Wi-Fi standards	802.11g, 802.11b, Wi-Fi 4 (802.11n)	Width	339.2 mm
Ethernet LAN	✓	Depth	244 mm
Ethernet LAN data rates	10,1000,100 Mbit/s		
Bluetooth	✓		
Bluetooth version	4.0		
Ports & interfaces			
USB 2.0 ports quantity *	2		

Ports & interfaces		Weight & dimensions	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Height (front)	2.31 cm
Ethernet LAN (RJ-45) ports	1	Height (rear)	2.52 cm
HDMI ports quantity *	1	Weight *	1.8 kg
DVI port	×	Packaging content	
VGA (D-Sub) ports quantity	1	Warranty card	✓
S/PDIF out port	×	Other features	
Microphone in	×	LightScribe	×
Combo headphone/mic port	✓	Intel® Virtualization Technology (Intel® VT)	VT-x, VT-d
Docking connector	×	Intel segment tagging	Enterprise, Professional
ExpressCard slot	×		
CardBus PCMCIA slot type	×		
SmartCard slot	×		
Keyboard			
Numeric keypad *	×		



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Publication date: 15-MAY-2025. Prints or copies of Information are only valid on the printed Publication date