



## HP ProBook 430 G2 Intel® Core™ i7 i7-4510U Laptop 33,8 cm (13.3") 8 GB DDR3-SDRAM 500 GB HDD Windows 7 Professional Silber

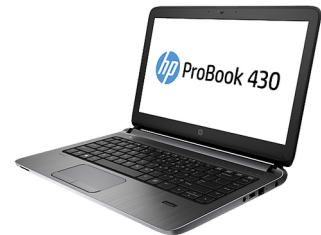
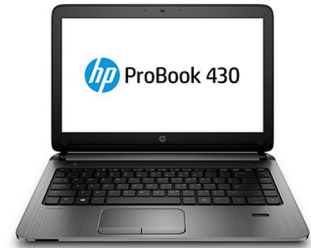
Marke : HP

Produktfamilie: ProBook

Artikel-Code: F6N67AV

Produktname : 430 G2

HP ProBook 430 G2. Produkttyp: Laptop, Formfaktor: Klappgehäuse. Prozessorfamilie: Intel® Core™ i7, Prozessor: i7-4510U, Prozessor-Taktfrequenz: 2 GHz. Bildschirmdiagonale: 33,8 cm (13.3"), Display-Auflösung: 1366 x 768 Pixel. Speicherkapazität: 8 GB, Interner Speichertyp: DDR3-SDRAM. Gesamtspeicherkapazität: 500 GB, Speichermedien: HDD. Eingebautes Grafikkartenmodell: Intel® HD Graphics 4400. Installiertes Betriebssystem: Windows 7 Professional. Produktfarbe: Silber. Gewicht: 1,5 kg



Design		Keyboard	
Product type *	Laptop	Spill-resistant keyboard	✓
Product colour *	Silver	Full-size keyboard	✓
Form factor *	Clamshell		
Country of origin	China	Software	
Display		Operating system architecture	64-bit
Display diagonal *	33.8 cm (13.3")	Recovery operating system	Windows 8.1 Pro
Display resolution *	1366 x 768 pixels	Operating system installed *	Windows 7 Professional
Touchscreen *	✗	Processor special features	
LED backlight	✓	Intel® Wireless Display (Intel® WiDi)	✓
Native aspect ratio	16:9	Intel® My WiFi Technology (Intel® MWT)	✗
Processor		Intel Smart Connect Technology	✓
Processor manufacturer *	Intel	Intel® Anti-Theft Technology (Intel® AT)	✓
Processor family *	Intel® Core™ i7	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor generation	4th gen Intel® Core™ i7	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor model *	i7-4510U	Intel® Turbo Boost Technology	2.0
Processor cores	2	Intel® High Definition Audio (Intel® HD Audio)	✓
Processor threads	4	Enhanced Intel SpeedStep Technology	✓
Processor boost frequency	3.1 GHz	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor frequency *	2 GHz	Intel Clear Video Technology	✗
System bus rate	5 GT/s	Intel® InTru™ 3D Technology	✓
Processor cache	4 MB	Intel® Insider™	✓
Processor cache type	Smart Cache	Intel® Quick Sync Video Technology	✓
Processor socket	BGA 1168	Intel Flex Memory Access	✗
Processor lithography	22 nm	Intel® Smart Cache	✓
Processor operating modes	64-bit		
Processor series	Intel Core i7-4500 Mobile series		
Processor codename	Haswell		
Bus type	DMI2		
FSB Parity	✗		
Stepping	D0		

Processor		Processor special features	
Thermal Design Power (TDP)	15 W	Intel® AES New Instructions (Intel® AES-NI)	✓
Tjunction	100 °C	Intel Trusted Execution Technology	✗
Maximum number of PCI Express lanes	12	Intel Enhanced Halt State	✓
PCI Express slots version	2.0	Intel VT-x with Extended Page Tables (EPT)	✓
PCI Express configurations	4x1, 2x4	Intel Demand Based Switching	✗
ECC supported by processor	✗	Intel® Secure Key	✓
Memory		Intel TSX-NI	✗
Internal memory *	8 GB	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Internal memory type	DDR3-SDRAM	Intel 64	✓
Memory clock speed	1600 MHz	Execute Disable Bit	✓
Memory layout (slots x size)	1 x 8 GB	Idle States	✓
Storage		Thermal Monitoring Technologies	✓
Total storage capacity *	500 GB	Processor package size	40 x 24 x 1.5 mm
Storage media *	HDD	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Number of HDDs installed	1	Processor code	SR1EB
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 *	✗	Intel Smart Connect Technology version	1.00
Card reader integrated	✓	Intel Identity Protection Technology version	1.00
Graphics		Intel Secure Key Technology version	1.00
Discrete graphics card model *	Not available	Intel ME Firmware Version	9.5
On-board graphics card *	✓	Intel TSX-NI version	0.00
Discrete 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 4400	Intel FDI Technology	✓
On-board graphics card base frequency	200 MHz	Intel Rapid Storage Technology	✓
On-board graphics card dynamic frequency (max)	1100 MHz	Intel Fast Memory Access	✗
Maximum on-board graphics card memory	1.74 GB	Processor ARK ID	81015
On-board graphics card DirectX version	11.2/12	Conflict-Free processor	✓
On-board graphics card OpenGL version	4.3		
On-board graphics card ID	0xA16		
Audio		Battery	
Audio system	DTS Sound+	Battery technology	Lithium-Ion (Li-Ion)
Number of built-in speakers	2	Number of battery cells	4
Built-in microphone	✓	Battery capacity *	44 Wh
Camera		Power	
Front camera	✓	AC adapter power	45 W
Network		DC-in jack	✓
Wi-Fi	✓	Security	
Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n)	Cable lock slot	✓
Ethernet LAN	✓	Trusted Platform Module (TPM)	✓
Ethernet LAN data rates	10,100,1000 Mbit/s	Weight & dimensions	
Bluetooth	✓	Width	326 mm
Bluetooth version	4.0	Depth	233.5 mm
Ports & interfaces		Height (front)	2 cm
USB 2.0 ports quantity *	1	Height (rear)	2.1 cm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Weight *	1.5 kg
Ethernet LAN (RJ-45) ports	1	Packaging content	
HDMI ports quantity *	1	Warranty card	✓

Ports & interfaces		Other features	
DVI port	×	LightScribe	×
VGA (D-Sub) ports quantity	1	Intel® Virtualization Technology (Intel® VT)	VT-x
S/PDIF out port	×	Intel segment tagging	Enterprise, Professional
Microphone in	×		
Combo headphone/mic port	✓		
Docking connector	×		
ExpressCard slot	×		
CardBus PCMCIA slot type	×		
SmartCard slot	×		
Number of SATA III connectors	4		
Keyboard			
Numeric keypad *	×		



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