



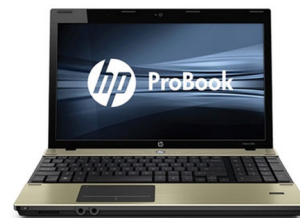
HP ProBook 4520s + AP355ET Intel® Core™ i5 i5-480M 39,6 cm (15.6") 4 GB 320 GB AMD Radeon HD 5470 Windows 7 Professional

Marke : HP

Produktfamilie: ProBook

Artikel-Code:
XX927EA+AP355ET

Produktname : ProBook 4520s
+ AP355ET



HP ProBook 4520s + AP355ET. Prozessorfamilie: Intel® Core™ i5, Prozessor: i5-480M, Prozessor-Taktfrequenz: 2,66 GHz. Anzeigegrösse (Diagonal): 39,6 cm (15.6"), Auflösung: 1366 x 768 Pixel. Arbeitsspeicher (RAM): 4 GB. Gesamtspeicherkapazität: 320 GB, Optisches Laufwerk - Typ: DVD Super Multi DL. On-board Grafik Modell: Intel® HD Graphics, Dediziertes Grafikmodell: AMD Radeon HD 5470. Vorinstalliertes Betriebssystem: Windows 7 Professional. Gewicht: 2,39 kg

Design		Konnektivität	
Ursprungsland	China	CardBus PCMCIA Slot Typ	×
Anzeige		SmartCard Slot	✓
Anzeigegrösse (Diagonal) *	39,6 cm (15.6")	TV-Out	×
Auflösung *	1366 x 768 Pixel	Performance	
LED-Hintergrundbeleuchtung	✓	Motherboard Chipsatz	Intel® HM57 Express
Natives Seitenverhältnis	16:9	Tastatur	
Prozessor		Eingabegerät	Touchpad
Prozessorhersteller *	Intel	Software	
Prozessorfamilie *	Intel® Core™ i5	Betriebssystem Architektur	64-Bit
Prozessorgeneration	Intel® Core™ i5 der vierten Generation	Vorinstalliertes Betriebssystem *	Windows 7 Professional
Prozessor *	i5-480M	Prozessor Besonderheiten	
Anzahl der Prozessorkerne	2	Intel Wireless Display (WiDi) Technology	×
Prozessor-Threads	4	Intel My WiFi Technology	×
Max. Turbo-Taktfrequenz des Prozessor	2,93 GHz	Intel Anti-Theft Technology	×
Prozessor-Taktfrequenz *	2,66 GHz	Intel Hyper-Threading Technologie	✓
System-Bus	2,5 GT/s	Intel® Turbo-Boost-Technologie	1.0
Processor cache	3 MB	Enhanced Intel SpeedStep Technologie	✓
Prozessor Cache Typ	Smart Cache	Intel Clear Video HD Technologie	✓
Prozessorsockel	BGA 1288	Intel® Clear Video Technologie	✓
Prozessor Lithografie	32 nm	Intel® InTru™ -3D-Technik	×
Processor operating modes	64-Bit	Intel® Insider™	×
Prozessor-Serien	Intel Core i5-400 Series	Intel® Quick Sync Video Technologie	×
Prozessor Codename	Arrandale	Intel Flex Memory Access	✓
Bus type	DMI	Intel® Smart Cache	✓
FSB Parity	×	Intel AES New Instructions	×
Stepping	K0	Intel Trusted Execution Technology	×
Thermal Design Power (TDP)	35 W		
Tjunction	105 °C		

Prozessor		Prozessor Besonderheiten	
Maximale Anzahl der PCI-Express-Lanes	16	Intel Enhanced Halt State	✓
PCI Express slots version	2.0	Intel VT-x with Extended Page Tables (EPT)	✓
PCI Express configurations	1x16	Intel Demand Based Switching	✗
Anzahl der Processing Die Transistoren	382 M	Intel Clear Video Technology for MID	✓
Processing die Größe	81 mm²	Intel® 64	✓
CPU multiplier (bus/core ratio)	20	Execute Disable Bit	✓
ECC vom Prozessor unterstützt	✗	Idle States	✓
Speicher		Thermal Monitoring Technologies	✓
Arbeitsspeicher (RAM) *	4 GB	Prozessor-Paketgröße	rPGA 37.5x 37.5, BGA 34x28
Speichertaktfrequenz	1066 MHz	Supported instruction sets	SSE4.1, SSE4.2
Speichersteckplätze	2x SO-DIMM	Prozessor-Code	SLC26
Maximaler Hauptspeicher *	8 GB	Physical Address Extension (PAE)	✓
Speichermedien		Physical Address Extension (PAE)	36 Bit
Gesamtspeicherkapazität *	320 GB	CPU configuration (max)	1
Festplatten Schnittstelle	SATA II	Embedded options available	✗
Festplatte Rotationsgeschwindigkeit	7200 RPM	Graphics & IMC lithography	45 nm
Optisches Laufwerk - Typ *	DVD Super Multi DL	Intel® Virtualisierungstechnik für direkte I/O (VT-d)	✗
Integrierter Kartenleser	✓	Intel® Virtualization Technologie (VT-X)	✓
Grafik		Intel Dual Display Capable Technology	✓
Dediziertes Grafikmodell *	AMD Radeon HD 5470	Intel FDI Technology	✓
On-board graphics adapter *	✓	Intel Rapid Storage Technology	✗
Separater Grafikadapter *	✓	Intel Fast Memory Access	✓
On-Board-Grafikadapterfamilie	Intel® HD Graphics	ARK Prozessorerkennung	52952
On-board Grafik Modell *	Intel® HD Graphics	Konfliktloser-Prozessor	✗
On-Board Grafikadapter Basisfrequenz	500 MHz	Battery	
Maximale dynamische Frequenz der On-Board Grafikadapter	766 MHz	Anzahl Batteriezellen	6
Audio		Akku-/Batteriebetriebsdauer	5 h
Audio-System	High Definition Audio	Energiemanagement	
Anzahl der eingebauten Lautsprecher	2	DC-Anschluss	✓
Netzwerk		Sicherheit	
Wi-Fi	✓	Kabelsperre-Slot	✓
Netzwerkfunktionen	Gigabit Ethernet	Slot-Typ Kabelsperre	Kensington
Ethernet/LAN	✓	Gewicht u. Abmessungen	
Bluetooth	✓	Breite	371,8 mm
Bluetooth-Version	2.1+EDR	Tiefe	249,6 mm
Konnektivität		Höhe (vorne)	2,77 cm
Anzahl der USB 2.0 Ports *	3	Gewicht *	2,39 kg
Anzahl eSATA Anschlüsse	1	Weitere Spezifikationen	
Anzahl Ethernet LAN (RJ-45) Anschlüsse	1	LightScribe	✓
Anzahl HDMI Anschlüsse *	1	Infrarotport	✗
DVI Anschluss	✗	Grafikadapter Familie	AMD
Anzahl VGA (D-Sub) Anschlüsse	1	Display	LCD
Kopfhörerausgänge	1	Intel® Segmentkennzeichnung	Unternehmen
S/PDIF OUT Port	✗		
Mikrofon, Line-In Anschluss	✓		
Docking-Anschluss	✗		
ExpressCard slot	✓		

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