



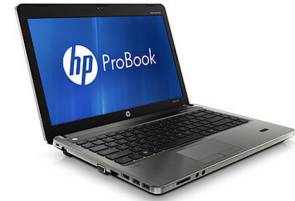
## HP ProBook 4330s Intel® Core™ i3 i3-2350M 33.8 cm (13.3") 4 GB DDR3-SDRAM 500 GB HDD

Brand: HP

Series: ProBook

Model: QJ664AV

SKU: 4330s



HP ProBook 4330s. Processor: Intel® Core™ i3, Processor model: i3-2350M, Processor frequency: 2.3 GHz. Display diagonal: 33.8 cm (13.3"), Display resolution: 1366 x 768 pixels. Memory: 4 GB, Memory type: DDR3-SDRAM. Storage: 500 GB, Storage type: HDD, Optical drive: DVD/Blu-ray DL. Operating system: Windows® 7 Home Premium 32-bit. Processor speed: 3000 MHz.

Design		Keyboard	
Product type *	Laptop	Numeric keypad *	✗
Product colour *	Grey	Processor special features	
Form factor *	Clamshell	Intel® Wireless Display (Intel® WiDi)	✓
Country of origin	China	Intel® My WiFi Technology (Intel® MWT)	✓
Display		Intel Smart Connect Technology	✗
Display diagonal *	33.8 cm (13.3")	Intel® Anti-Theft Technology (Intel® AT)	✓
Display resolution *	1366 x 768 pixels	Intel® Rapid Start Technology	✗
Touchscreen *	✗	Intel® Smart Response Technology	✗
LED backlight	✓	Intel® Identity Protection Technology (Intel® IPT)	✓
Native aspect ratio	16:9	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor		Intel® Turbo Boost Technology	✗
Processor manufacturer *	Intel	Intel® Small Business Advantage (Intel® SBA)	✗
Processor family *	Intel® Core™ i3	Intel® Matrix Storage Technology (Intel® MST)	✗
Processor generation	2nd gen Intel® Core™ i3	Intel® High Definition Audio (Intel® HD Audio)	✗
Processor model *	i3-2350M	Intel® Active Management Technology (Intel® AMT)	✗
Processor cores	2	Enhanced Intel SpeedStep Technology	✓
Processor threads	4	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor frequency *	2.3 GHz	Intel Clear Video Technology	✗
System bus rate	5 GT/s	Intel® InTru™ 3D Technology	✓
Processor cache	3 MB	Intel® Insider™	✓
Processor cache type	Smart Cache	Intel® Quick Sync Video Technology	✓
Processor socket	Socket 988	Intel Flex Memory Access	✓
Processor lithography	32 nm	Intel® Smart Cache	✓
Processor operating modes	64-bit	Intel® AES New Instructions (Intel® AES-NI)	✗
Processor series	Intel Core i3-2300 Mobile Series	Intel Trusted Execution Technology	✗
Processor codename	Sandy Bridge	Intel Enhanced Halt State	✓
Bus type	DMI	Intel VT-x with Extended Page Tables (EPT)	✓
FSB Parity	✗		
Stepping	J1		
Thermal Design Power (TDP)	35 W		
Tjunction	85 °C		
Maximum number of PCI Express lanes	16		
PCI Express slots version	2.0		
PCI Express configurations	1x16, 2x8, 1x8+2x4		
CPU multiplier (bus/core ratio)	23		
ECC supported by processor	✗		

Memory		Processor special features	
Internal memory *	4 GB	Intel Demand Based Switching	✗
Internal memory type	DDR3-SDRAM	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Memory clock speed	1333 MHz	Intel 64	✓
Memory form factor	SO-DIMM	Execute Disable Bit	✓
Memory layout (slots x size)	1 x 4 GB	Idle States	✓
Memory slots	2x SO-DIMM	Thermal Monitoring Technologies	✓
Storage		Processor package size	37.5 x 37.5 (rPGA988B); 31 x 24 (BGA1023)
Total storage capacity *	500 GB	Supported instruction sets	AVX
Storage media *	HDD	Processor code	SR0DN
Number of HDDs installed	1	CPU configuration (max)	1
HDD capacity	500 GB	Embedded options available	✗
HDD interface	SATA II	Graphics & IMC lithography	32 nm
HDD speed	5400 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 Virtualization Technology (VT-x)	✓
Compatible memory cards	Memory Stick (MS), MicroSD (TransFlash), MMC, MMCmicro, MS PRO, MS PRO Duo, SD, SDHC	Intel Dual Display Capable Technology	✓
Graphics		Intel FDI Technology	✓
Discrete graphics card model *	Not available	Intel Rapid Storage Technology	✗
On-board graphics card *	✓	Intel Fast Memory Access	✓
Discrete graphics card *	✗	Processor ARK ID	53438
On-board graphics card family	Intel® HD Graphics	Conflict-Free processor	✗
On-board graphics card model *	Intel® HD Graphics 3000	Integrated 4G WiMAX	✓
On-board graphics card base frequency	650 MHz	Battery	
On-board graphics card dynamic frequency (max)	1150 MHz	Battery technology	Lithium-Ion (Li-Ion)
On-board graphics card ID	0x116	Number of battery cells	6
Audio		Battery capacity *	47 Wh
Number of built-in speakers	2	Power	
Built-in microphone	✓	AC adapter power	65 W
Camera		DC-in jack	✓
Front camera	✓	Security	
Network		Cable lock slot	✓
Wi-Fi	✓	Cable lock slot type	Kensington
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)	Packaging content	
Ethernet LAN	✓	AC adapter included *	✓
Ethernet LAN data rates	10,100,1000 Mbit/s	Manual	✓
Bluetooth	✗	Quick start guide	✓
Ports & interfaces		Other features	
Ethernet LAN (RJ-45) ports	1	LightScribe	✗
HDMI ports quantity *	1	Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
DVI port	✗	Intel segment tagging	Enterprise
VGA (D-Sub) ports quantity	1		
Headphone outputs	1		
S/PDIF out port	✗		
Microphone in	✓		
Docking connector	✗		
ExpressCard slot	✗		
CardBus PCMCIA slot type	✗		
SmartCard slot	✗		
Performance			
Motherboard chipset	Intel® HM65 Express		

**Keyboard**

Pointing device                      Touchpad



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