



HP ProBook 470 G1 Intel® Pentium® 3550M Laptop 43.9 cm (17.3") HD+ 4 GB DDR3L-SDRAM 500 GB HDD Windows 7 Professional Silver

Brand : HP

Product family: ProBook

Product code: E9Y78ES

Product name : 470 G1

Intel Pentium 3550M (2.3GHz, 2MB, 2 Cores), 17.3" (1600 x 900), 4GB DDR3L-SDRAM 1600MHz (1 x 4), 500GB HDD , DVDRW, Intel HD Graphics, Gigabit LAN, WLAN, Bluetooth 4.0, Windows 7 Professional 64-bit

HP ProBook 470 G1. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Pentium®, Processor model: 3550M, Processor frequency: 2.3 GHz. Display diagonal: 43.9 cm (17.3"), HD type: HD+, Display resolution: 1600 x 900 pixels. Internal memory: 4 GB, Internal memory type: DDR3L-SDRAM. Total storage capacity: 500 GB, Storage media: HDD. On-board graphics card model: Intel® HD Graphics. Operating system installed: Windows 7 Professional. Product color: Silver

Design		Ports & interfaces	
Product type *	Laptop	Microphone in	✓
Product color *	Silver	Combo headphone/mic port	✗
Form factor *	Clamshell	Docking connector	✗
Country of origin	China	Keyboard	
Display		Pointing device	Touchpad
Display diagonal *	43.9 cm (17.3")	Numeric keypad *	✓
Display resolution *	1600 x 900 pixels	Spill-resistant keyboard	✓
Touchscreen *	✗	Full-size keyboard	✓
HD type	HD+	Software	
LED backlight	✓	Operating system architecture	64-bit
Native aspect ratio	16:9	Operating system installed *	Windows 7 Professional
Display surface	Matt	Processor special features	
Processor		Intel® Wireless Display (Intel® WiDi)	✗
Processor manufacturer *	Intel	Intel® Anti-Theft Technology (Intel® AT)	✗
Processor family *	Intel® Pentium®	Intel® Identity Protection Technology (Intel® IPT)	✗
Processor model *	3550M	Intel® Hyper Threading Technology (Intel® HT Technology)	✗
Processor cores	2	Intel® Turbo Boost Technology	✗
Processor threads	2	Enhanced Intel SpeedStep Technology	✓
Processor frequency *	2.3 GHz	Intel HD Graphics	✓
System bus rate	5 GT/s	Intel® Clear Video HD Technology (Intel® CVT HD)	✗
Processor cache	2 MB	Intel® Insider™	✗
Processor cache type	Smart Cache	Intel® Quick Sync Video Technology	✗
Processor socket	PGA946	Intel® Smart Cache	✓
Processor lithography	22 nm	Intel® AES New Instructions (Intel® AES-NI)	✗
Processor operating modes	32-bit, 64-bit	Intel Trusted Execution Technology	✗
Processor series	Intel Pentium 3000 series for Mobile	Intel VT-x with Extended Page Tables (EPT)	✓
Processor codename	Haswell	Intel® Secure Key	✓
Bus type	DMI2	Intel TSX-NI	✗
Stepping	C0	Intel 64	✓
Thermal Design Power (TDP)	37 W	Execute Disable Bit	✓
Tjunction	100 °C		
Maximum number of PCI Express lanes	16		
PCI Express slots version	2.0		
PCI Express configurations	1x16, 1x8+2x4, 2x8		
ECC supported by processor	✗		
Memory			
Internal memory *	4 GB		

Memory		Processor special features	
Internal memory type	DDR3L-SDRAM	Thermal Monitoring Technologies	✓
Memory clock speed	1600 MHz	Processor package size	37.5 x 37.5 x 4.7 mm
Memory form factor	SO-DIMM	Supported instruction sets	SSE4.1, SSE4.2
Memory layout (slots x size)	1 x 4 GB	Processor code	SR1HD
Memory slots	2x SO-DIMM	CPU configuration (max)	1
Maximum internal memory *	16 GB	Embedded options available	✗
Storage		Intel Virtualization Technology for Directed I/O (VT-d)	✗
Total storage capacity *	500 GB	Intel Identity Protection Technology version	0.00
Storage media *	HDD	Intel Secure Key Technology version	1.00
Total HDDs capacity	500 GB	Intel TSX-NI version	0.00
Number of HDDs installed	1	Intel Virtualization Technology (VT-x)	✓
HDD capacity	500 GB	Processor ARK ID	77404
Card reader integrated	✓	Conflict-Free processor	✓
Compatible memory cards	MSXC, Memory Stick (MS), SD, SDHC, SDXC	Battery	
Graphics		Battery technology	Lithium-Ion (Li-Ion)
Discrete graphics card model *	Not available	Number of battery cells	6
On-board graphics card *	✓	Battery capacity *	47 Wh
Discrete graphics card *	✗	Power	
On-board graphics card family	Intel® HD Graphics	AC adapter power	90 W
On-board graphics card model *	Intel® HD Graphics	DC-in jack	✓
On-board graphics card base frequency	400 MHz	Security	
On-board graphics card dynamic frequency (max)	1100 MHz	Cable lock slot	✓
Audio		Trusted Platform Module (TPM)	✓
Number of built-in speakers	2	Sustainability	
Built-in microphone	✓	Sustainability certificates	ENERGY STAR
Camera		Weight & dimensions	
Front camera	✓	Width	413.8 mm
Network		Depth	279.5 mm
Wi-Fi	✓	Height (front)	2.53 cm
Ethernet LAN	✓	Height (rear)	3.15 cm
Ethernet LAN data rates	10,100,1000 Mbit/s	Weight *	3 kg
Bluetooth	✓	Packaging content	
Bluetooth version	4.0	AC adapter included *	✓
Ports & interfaces		Other features	
USB 2.0 ports quantity *	2	3D	✗
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Intel segment tagging	Enterprise, Professional
Ethernet LAN (RJ-45) ports	1		
HDMI ports quantity *	1		
DVI port	✗		
VGA (D-Sub) ports quantity	1		
Headphone outputs	1		
S/PDIF out port	✗		

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Publication date: 30-JUL-2025. Prints or copies of Information are only valid on the printed Publication date