

HP ProBook 450 G4 Notebook PC



Built for productivity, the HP ProBook 450 delivers the performance and security features essential for today's workforce. The sleek and tough design provides professionals a flexible platform to stay productive in or out of the office.

HP recommends Windows 10 Pro.



- Windows 10 Pro¹

Designed for mobility

- Work in style with the powerful 15.6-inch diagonal HP ProBook 450 with a new asteroid silver design. Confidently take on the day with a PC that's designed to pass MIL-STD 810G testing², built with an aluminum reinforced keyboard.

Powerful processing

- Power through projects with 7th Gen Intel® Core™ processors³ and optional NVIDIA® GeForce® discrete graphics⁴.

Safeguard data and devices

- Help keep sensitive data secure with comprehensive security features like HP BIOSphere⁵ as well as the embedded TPM and an optional fingerprint reader⁶.

Immersive experience

- Enjoy the rich user experience of the HP ProBook 450 with long battery life and features designed to create a stunning visual and audio experience with HP Audio Boost, HP Noise Cancellation, and options like an FHD display⁴, and an HD touch display⁴.

Featuring

- Be productive in any situation. Experience the new features of Windows 10 Pro¹ on the powerful, touch⁴ optional HP ProBook 450.
- Stand up to the workload with a ProBook that is designed to pass MIL-STD 810G testing².
- Help suppress ambient noise including keyboard clicks with HP Noise Cancellation Software.
- Help make good speakers sound great with the HP Audio Boost.
- With TPM 2.0 embedded security your critical data has protection with hardware-based encryption keys.
- Help protect your ProBook from minor spills with an optional backlit⁴ spill-resistant HP Premium Keyboard.
- Avoid surprises by tracking device health and security policy enforcement. With the HP Touchpoint Manager app, IT can quickly address risks to keep devices functional, and employees productive⁵.
- Keep productivity high and downtime low with the fully integrated and automated features of the HP BIOSphere firmware ecosystem. Your PCs have extra protection thanks to automatic updates and security checks⁵.

HP ProBook 450 G4 Notebook PC Specifications Table



Available Operating System	Windows 10 Pro 64 – HP recommends Windows 10 Pro. ¹ Windows 10 Pro (National Academic only) ¹ Windows 10 Home Single Language 64 ¹ Windows 10 Home 64 (National Academic only) ¹ Windows 10 Home 64 ¹ FreeDOS 2.0
Processor Family ^{2,17}	7th Generation Intel® Core™ i3 processor; 7th Generation Intel® Core™ i5 processor; 7th Generation Intel® Core™ i7 processor
Available Processors ^{2,17}	Intel® Core™ i7-7500U with Intel HD Graphics 620 (2.7 GHz, up to 3.5 GHz with Intel Turbo Boost Technology, 4 MB cache, 2 cores); Intel® Core™ i5-7200U with Intel HD Graphics 620 (2.5 GHz, up to 3.1 GHz with Intel Turbo Boost Technology, 3 MB cache, 2 cores); Intel® Core™ i3-7100U with Intel HD Graphics 620 (2.4 GHz, 3 MB cache, 2 core); Intel® i3-6006U with Intel HD Graphics 520 (2 GHz, 3 MB cache, 2 cores); Intel® Pentium® 4415U with Intel® HD Graphics (2.3 GHz, 2 MB cache, 2 cores); Intel® Celeron® 3865U with Intel® HD Graphics (1.8 GHz, 2 MB cache, 2 cores)
Chipset	Chipset is integrated with processor
Maximum Memory	16 GB DDR4-2133 SDRAM Transfer rates up to 2133 MT/s. Both slots are customer accessible/upgradeable. Supports dual channel memory.
Memory Slots	2 SODIMM
Internal Storage	up to 500 GB SATA HD (7200 rpm) ³ 500 GB up to 2 TB SATA HD (5400 rpm) ³ 128 GB up to 256 GB M.2 SATA SSD ³ up to 500 GB SATA SSHD (5400 rpm) ³ up to 512 GB (2 x 256 GB) SATA SSD ³
Optical Drive	DVD+/-RW SuperMulti DL; DVD-ROM ⁴ (Option of no optical drive.)
Flash Cache	8 GB (For models with 500 GB SSHD)
Display	15.6" diagonal HD anti-glare LED-backlit (1366 x 768); 15.6" diagonal FHD anti-glare LED-backlit (1920 x 1080); 15.6" diagonal HD touch screen (1366 x 768) ⁸
Available Graphics	Integrated: Intel® HD Graphics 620 Discrete: NVIDIA® GeForce® 930MX (2 GB DDR3 dedicated, switchable) (Integrated graphics depends on processor. NVIDIA® Optimus™ technology requires an Intel processor, plus an NVIDIA® GeForce® discrete graphics configuration and is available on Windows 10 Professional OS. With NVIDIA® Optimus™ technology, full enablement of all discrete graphics video and display features may not be supported on all systems (e.g. OpenGL applications will run on the integrated GPU or the APU as the case may be).)
Audio	Integrated stereo speakers; Headphone/microphone combo jack; Integrated microphone
Wireless Technologies	HP iL4132 LTE/HSPA+ 4G Mobile Broadband; Realtek 802.11b/g/n (1x1) and Bluetooth® 4.0 Combo; Intel® Dual Band Wireless-AC 3168 802.11a/b/g/n/ac (1x1) WiFi and Bluetooth® 4.2 Combo; Intel® Dual Band Wireless-AC 8265 802.11a/b/g/n/ac (2x2) WiFi and Bluetooth® 4.2 Combo (non-vPro); Intel® Dual Band Wireless-AC 7265 802.11a/b/g/n/ac (2x2) WiFi and Bluetooth® 4.2 Combo (non-vPro) ^{4,5,6}
Communications	Realtek Ethernet (10/100/1000)
Expansion Slots	1 multi-format digital media reader (Supports SD, SDHC, SDXC.)
Ports and Connectors	2 USB 2.0; 1 USB 3.0; 1 USB 3.0 Type-C™ port; 1 HDMI; 1 RJ-45; 1 VGA; 1 headphone/microphone combo; 1 AC power
Input Device	HP Premium Keyboard, full-sized, spill resistant with numeric keypad Clickpad with multitouch gestures, taps enabled as default, 3 finger flick
Camera	720p HD webcam ^{7,8}
Available Software	Buy Office; Certified for Skype for Business; HP Mobile Connect; HP ePrint Driver; Absolute Persistence Module; HP SoftPaq Download Manager; HP 3D DriveGuard; HP Recovery Manager; HP Support Assistant; HP Sure Connect; CyberLink Power2Go; CyberLink Power Media Player ^{9,10,11,12,15}
Security Management	HP Fingerprint Reader; Security lock slot; Preboot Authentication; HP Security Manager; TPM 2.0 (1.2 optional)
Power	45 W Smart AC adapter; 45 W Smart AC adapter 2-prong (Japan only); 65 W Smart AC adapter; 65 W EM Smart AC adapter (PRC and India only)
Battery Type	HP 3-cell, 48 Wh Long Life Li-ion ¹⁴
Battery Life	Up to 14 hours and 15 minutes ¹⁶
Dimensions	38.20 x 26.30 x 2.44 cm (non-touch); 38.22 x 26.35 x 2.61 cm (touch)
Weight	Starting at 2.04 kg (Lowest weight configuration. Weight will vary by configuration. See QuickSpecs.)
Environmental	Low halogen ¹³
Energy Efficiency Compliance	ENERGY STAR® certified; EPEAT® Gold ¹⁸
Warranty	HP Services offers a 1-year limited warranty option depending on country. Batteries have a default 1-year limited warranty except for HP Long Life batteries which will have same 1-year or 3-year limited warranty as the platform. On-site service and extended coverage is also available. HP Care Pack Services are optional extended service contracts that go beyond the standard limited warranties. To choose the right level of service for your HP product, use the HP Care Pack Services Lookup Tool at: http://www.hp.com/go/cpc

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Recommended Accessories and Services

HP 2.4 GHz Wireless Keyboard and Mouse



Work smarter with your notebook, tablet or all-in-one by adding the HP 2.4 GHz Keyboard and Mouse for fast and easy data entry, Web navigation, and document scrolling.

Product number: G1K29AA

HP Essential Backpack



The HP Essential Backpack is a great notebook carrying solution for both students and business professionals.

Product number: H1D24AA

HP 3005pr USB 3.0 Port Replicator



Everything you need every day, ready with one simple connection. The HP 3005pr USB 3.0 Port Replicator is our ultimate platform-independent hot desking solution. Get online, make up to six of your everyday USB devices immediately available, and expand your productivity with connection to two external displays—all through one USB 3.0 cable.

Product number: H1L08AA

HP 45W Smart AC Adapter



Be productive throughout the day and keep an extra adapter on hand with the lightweight and versatile HP 45W Smart AC Adapter.

Product number: H6V88AA

HP Essential Keyed Cable Lock



Add an extra layer of security to your notebook with the HP Essential Keyed Cable Lock, designed for any notebook with a standard lock slot.

Product number: T0Y14AA

HP 3-year Travel Next Business Day Notebook Only Service



This HP services offers notebook users on the go prompt, reliable coverage in major geographies of the world, for 3 years. For more information on Care Pack services, please visit www.hp.com/go/cpc.

Product number: UL653E

Messaging Footnotes

- ¹ Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers, software or BIOS update to take full advantage of Windows functionality. Windows 10 is automatically updated, which is always enabled. ISP fees may apply and additional requirements may apply over time for updates. See <http://www.windows.com>.
- ² MIL STD 810G testing is pending and is not intended to demonstrate fitness for U.S. Department of Defense contract requirements or for military use. Test results are not a guarantee of future performance under these test conditions. Damage under the MIL STD test conditions or any accidental damage requires an optional HP Accidental Damage Protection Care Pack.
- ³ Multicore is designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use of this technology. Performance and clock frequency will vary depending on application workload and your hardware and software configurations. Intel's numbering is not a measurement of higher performance.
- ⁴ Sold separately or as an optional feature.
- ⁵ HP BIOSphere features may vary depending on the PC platform and configurations.
- ⁶ HP Touchpoint Manager supports Android™, iOS and Windows operating systems and PCs, notebooks, tablets and smartphones from various manufacturers. Not available in all countries see www.hp.com/touchpoint for availability information. Touchpoint Manager requires purchase of a subscription. Out-of-band HP only Wipe, Lock, Unlock and reporting of BIOS boot error codes is available on select HP EliteBooks and select HP Elite x2 devices requires an internet connection, Intel® vPro™ technology and functions in S3/Sleep, S4/Hibernate and S5/Soft Off power states. SATA drives are wiped. The remote wipe of Self Encrypting Drives that have hardware encryption active is not supported. Some features require a Pro subscription.

Technical Specifications Footnotes

- ¹ Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers, software or BIOS update to take full advantage of Windows functionality. Windows 10 is automatically updated, which is always enabled. ISP fees may apply and additional requirements may apply over time for updates. See <http://www.windows.com>.
- ² Multicore is designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use of this technology. Performance and clock frequency will vary depending on application workload and your hardware and software configurations. Intel's numbering is not a measurement of higher performance.
- ³ For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 30 GB (for Windows 10) is reserved for system recovery software.
- ⁴ Double-layer discs can store more data than single layer discs. However, double-layer discs burned with this drive may not be compatible with many existing single-layer DVD drives and players. Note that this drive cannot read or write to 2.6 GB single-sided/5.2 GB double-sided – version 1.0 media. Don't copy copy-right protected materials.
- ⁵ Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited. The specifications for the 802.11ac WLAN are draft specifications and are not final. If the final specifications differ from the draft specifications, it may affect the ability of the notebook to communicate with other 802.11ac WLAN devices.
- ⁶ Mobile Broadband requires separately purchased service contract. Check with service provider for coverage and availability in your area. Connection speeds will vary due to location, environment, network conditions, and other factors. 4G LTE not available on all products, and in all regions.
- ⁷ HD content required to view HD images.
- ⁸ Internet access required.
- ⁹ Skype is not offered in China.
- ¹⁰ HP Mobile Connect is only available on preconfigured devices with WWAN. For geographic availability refer to www.hp.com/go/mobileconnect.
- ¹¹ Requires an Internet connection to HP web-enabled printer and HP ePrint account registration (for a list of eligible printers, supported documents and image types and other HP ePrint details, see www.hp.com/go/eprintcenter).
- ¹² Absolute agent is shipped turned off, and will be activated when customers activate a purchased subscription. Subscriptions can be purchased for terms ranging multiple years. Service is limited, check with Absolute for availability outside the U.S. The Absolute Recovery Guarantee is a limited warranty. Certain conditions apply. For full details visit: <http://www.absolute.com/company/legal/agreements/computrace-agreement>. Data Delete is an optional service provided by Absolute Software. If utilized, the Recovery Guarantee is null and void. In order to use the Data Delete service, customers must first sign a Pre-Authorization Agreement and either obtain a PIN or purchase one or more RSA SecurID tokens from Absolute Software.
- ¹³ External power supplies, power cords, cables and peripherals are not low halogen. Service parts obtained after purchase may not be low halogen.
- ¹⁴ Battery is internal and not replaceable by customer.
- ¹⁵ CyberLink Power Media Player only available with optical drive.
- ¹⁶ Windows 10/MM14 battery life will vary depending on various factors including product model, configuration, loaded applications, features, use, wireless functionality, and power management settings. The maximum capacity of the battery will naturally decrease with time and usage. See www.bapco.com for additional details.
- ¹⁷ NOTE: In accordance with Microsoft's support policy, HP does not support the Windows 8 or Windows 7 operating system on products configured with Intel and AMD 7th generation and forward processors or provide any Windows 8 or Windows 7 drivers on <http://www.support.hp.com>.
- ¹⁸ EPEAT® registered where applicable. EPEAT registration varies by country. See www.epeat.net for registration status by country. See HP's 3rd party option store for solar energy accessory www.hp.com/go/options.

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