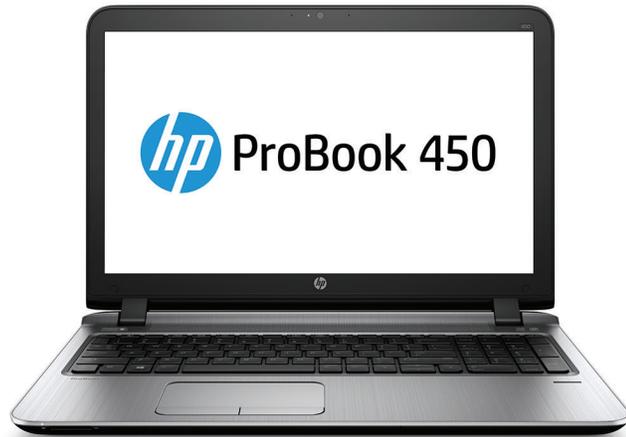


HP ProBook 450 G3 Notebook PC



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
- Screen Size: 15.6" diagonal

Designed for mobility

- Work in style with the powerful 15.6-inch diagonal HP ProBook 450 with a new gravity black LCD cover. Confidently take on the day with a PC that passed MIL-STD 810G testing,² built with an aluminum reinforced keyboard.

Powerful processing

- Power through projects with 6th Gen Intel® Core™ processors³ and optional discrete⁴ AMD Radeon™ graphics with switchable graphics support.⁵

Safeguard data and devices

- Help keep sensitive data secure with comprehensive security features like HP BIOSphere⁶ as well as the embedded TPM.⁷

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 options like an FHD display,⁴ an HD touch display,⁴ and DTS Studio Sound.™

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 an ProBook that passed MIL-STD 810G testing.²
- With TPM⁷ 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 productive.⁸
- HP BIOSphere boosts security and keeps mission-critical data and systems under lock and key with customizable authentication and BIOS-level passwords.⁶
- Optimize your storage with latest high-performing storage options from HP.
- Gain fast, reliable wireless with built-in Wi-Fi and optional Bluetooth® wireless technology.⁹

HP ProBook 450 G3 Notebook PC Specifications Table



Available Operating System	Windows 10 Pro 64 – HP recommends Windows 10 Pro. ¹ Windows 10 Home 64 ¹ Windows 8.1 Pro 64 ¹ Windows 8.1 64 ¹ Windows 7 Professional 64 (available through downgrade rights from Windows 10 Pro 64) ² Windows 7 Professional 32 (available through downgrade rights from Windows 10 Pro 64) ^{2,3} Windows 7 Professional 64 ¹ Windows 7 Professional 32 ^{1,3} FreeDOS 2.0
Processor Family ⁵	Intel® Core™ i7 processor; Intel® Core™ i5 processor; Intel® Core™ i3 processor; Intel® Pentium processor
Available Processors ⁵	Intel® Core™ i7-6500U with Intel HD Graphics 520 (2.5 GHz, up to 3.1 GHz with Intel Turbo Boost Technology, 4 MB cache, 2 cores); Intel® Core™ i5-6200U with Intel HD Graphics 520 (2.3 GHz, up to 2.8 GHz with Intel Turbo Boost Technology, 3 MB cache, 2 cores); Intel® Core™ i3-6100U with Intel HD Graphics 520 (2.3 GHz, 3 MB cache, 2 cores); Intel® Pentium® 4405U with Intel HD Graphics 510 (2.1 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; Available on select models; Both slots are customer accessible/upgradeable; Supports dual channel memory.
Memory Slots	2 SODIMM
Internal Storage	up to 500 GB SATA (7200 rpm) ⁶ 500 GB up to 2 TB SATA (5400 rpm) ⁶ 128 GB up to 256 GB M.2 SATA TLC SSD ⁶ up to 500 GB SATA SSHD (5400 rpm) ⁶
Optical Drive	Blu-ray ROM DVD+/-RW SuperMulti DL; DVD+/-RW SuperMulti DL; DVD-ROM ^{7,8} (option of no optical drive)
Flash Cache	8 GB (For models with 500 GB SSHD)
Display	15.6" diagonal HD anti-glare flat LED-backlit (1366 x 768); 15.6" diagonal full HD anti-glare slim LED-backlit (1920 x 1080); 15.6" diagonal HD flat LED-backlit touch screen (1366 x 768) ¹³
Available Graphics	Integrated: Intel® HD Graphics 510; Intel® HD Graphics 520 Discrete: AMD Radeon™ R7 M340 (1 or 2 GB DDR3 dedicated, switchable) ¹² (Integrated graphics depends on processor)
Audio	HD audio with DTS Studio Sound™; Two stereo speakers; Integrated microphone (dual-microphone array when equipped with optional webcam); Headphone/microphone combo jack
Wireless Technologies	Realtek 802.11b/g/n (1x1); Realtek 802.11b/g/n (1x1) and Bluetooth® 4.0 Combo; Broadcom 802.11b/g/n (1x1) and Bluetooth® 4.0 Combo; Broadcom 802.11a/b/g/n (2x2) and Bluetooth® 4.0 Combo; Intel® Dual Band Wireless-AC 3165 802.11a/b/g/n/ac (1x1) WiFi and Bluetooth® 4.0 Combo; Intel Dual Band Wireless-AC 8260 802.11a/b/g/n/ac (2x2) WiFi and Bluetooth® 4.2 Combo; HP hs3110 HSPA+ Mobile Broadband; HP lt4110 LTE/HSPA+ 4G Mobile Broadband ^{9,10,11}
Communications	Realtek Ethernet (10/100/1000)
Expansion Slots	1 multi-format digital media reader (supports SD, SDHC, SDXC)
Ports and Connectors	2 USB 3.0; 2 USB 2.0; 1 HDMI; 1 headphone/microphone combo; 1 AC power; 1 RJ-45; 1 VGA
Input Device	HP Premium Keyboard, full-sized, spill resistant with numeric keypad; Full-sized, spill resistant backlit keyboard with numeric keypad (optional) Touchpad with on/off button, taps enabled as default, support multi gestures, two-finger scroll, pinch/zoom, edge swipe
Camera	720p HD webcam (select models) ¹³
Available Software	Absolute Persistence; HP Security Manager; Microsoft Security Essentials; Microsoft Defender; Validity Fingerprint Driver; HP SoftPak Download Manager; CyberLink Power2Go; CyberLink PowerDVD; CyberLink YouCam; HP Connection Manager; HP GPS and Location; HP Mobile Connect; Intel® WiDi Software; HP 3D DriveGuard; HP Recovery Manager; HP Support Assistant; Foxit PhantomPDF Express ^{14,15,16}
Security Management	Standard: HP Client Security; Microsoft Defender (models with Windows 8), HP BIOS Protection, Security lock slot, TPM; Optional: HP Fingerprint Reader; Microsoft Security Essentials (models with Windows 7) ¹⁸
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	4-cell, 44 Whr Li-ion; 6-cell, Long Life 55 Whr Li-ion
Battery Life	4-cell, 44 Wh models with DDR4, Windows 10, MM14: up to 9 hours and 30 minutes 6-cell, 55 Wh models with DDR4, Windows 10, MM14: up to 13 hours 30 minutes ¹⁷
Dimensions	37.8 x 26.43 x 2.38 to 2.48 cm (front to rear) (non-touch); 37.8 x 26.46 x 2.55 to 2.65 cm (front to rear) (touch)
Weight	Starting at 2.07 kg (Lowest weight configuration. Weight will vary by configuration. See QuickSpecs.)
Environmental	Low halogen ¹⁹
Energy Efficiency Compliance	ENERGY STAR® certified configurations available; EPEAT® Gold registered. EPEAT® registered where applicable. EPEAT registration varies by country. See www.epeat.net for registration status by country.
Warranty	HP Services offers 3-year, 1-year and 90-day limited warranty options depending on country; 1-year limited warranty on primary battery. On-site service and optional HP Care Pack Services are available to extend your protection beyond the standard limited warranty. Certain restrictions and exclusions apply. Consult the HP Customer Support Center for details

HP ProBook 450 G3 Notebook PC

Recommended Accessories and Services

HP 3001pr USB 3.0 Port Replicator



Meet your go-to, platform-independent hot-desking solution for getting online and connecting to a single external display and up to three USB-connected devices.

Product number: F3S42AA

HP Ultralim Keyed Cable Lock



Secure your HP Ultrabook™ or laptop PC quickly and easily with the HP Ultralim Keyed Cable Lock.

Product number: H4D73AA

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 and/or software 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.microsoft.com>.

² MIL STD 810G testing 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 Multi-Core 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 AMD Dynamic Switchable Graphics technology requires either an AMD "A" series APU or an Intel processor, plus an AMD Radeon™ discrete graphics configuration and is not available on FreeDOS and Linux OS. With AMD Dynamic Switchable Graphics 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).

⁶ HP BIOSphere features may vary depending on the PC platform and configurations.

⁷ Firmware TPM is version 2.0. Hardware TPM is v1.2, which is a subset of the TPM 2.0 specification version v0.89 as implemented by Intel Platform Trust Technology (PTT).

⁸ 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.

⁹ Wireless and Bluetooth may be optional features. Wireless requires separately purchased access point and internet service. Availability of public wireless access points limited.

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.microsoft.com>.

² This system is preinstalled with Windows 7 Professional software and also comes with a license and media for Windows 10 Pro software. You may only use one version of the Windows software at a time. Switching between versions will require you to uninstall one version and install the other version. You must back up all data (files, photos, etc.) before uninstalling and installing operating systems to avoid loss of your data.

³ Japan only for select configurations

⁵ Multi-Core is designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use of this technology. 64-bit computing system required. Performance will vary depending on your hardware and software configurations. Intel's numbering is not a measurement of higher performance.

⁶ For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 30 GB (for Windows 8.1 and 10) is reserved for system recovery software.

⁷ 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.

⁸ With Blu-Ray certain disc, digital connection, compatibility and/or performance issues may arise, and do not constitute defects in the product. Flawless playback on all systems is not guaranteed. In order for some Blu-ray titles to play, they may require a DVI or HDMI digital connection and your display may require HDCP support. HD-DVD movies cannot be played on this Blu-Ray drive.

⁹ Wireless is an optional add-on feature and requires wireless access point and Internet service. Availability of public wireless access points limited.

¹⁰ The specifications for the 5G WiFi aka 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. Wireless access point and Internet service required and not included. Availability of public wireless access points limited.

¹¹ Mobile Broadband is an optional feature and requires factory configuration. Use 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.

¹² AMD Dynamic Switchable Graphics technology requires either an AMD "A" series APU or an Intel processor, plus optional AMD Radeon™ discrete graphics configuration and is not available on FreeDOS and Linux OS. With AMD Dynamic Switchable Graphics 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).

¹³ HD content required to view HD images.

¹⁴ HP Mobile Connect is available in select EMEA countries and requires a compatible CDMA or HSPA mobile broadband module and prepaid service purchase. Find coverage and availability for your service area at www.hp.com/go/mobileconnect.

¹⁵ BIOS Absolute Persistence module is shipped turned off, and will be activated when customers purchase and activate a subscription. Service may be limited. Check with Absolute for availability outside the U.S. The optional subscription service of Absolute Recovery Guarantee is a limited warranty. Certain conditions apply. For full details visit: <http://www.absolute.com/company/legal/agreements/computrace-agreement>. If Data Delete is utilized, the Recovery Guarantee payment is null and void. In order to use the Data Delete service, customers must first sign a Pre-Authorization Agreement and either create a PIN or purchase one or more RSA SecurID tokens from Absolute Software.

¹⁶ HP Support Assistant: Internet access required.

¹⁷ 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.

¹⁸ Microsoft Defender (Windows 8 only).

¹⁹ External power supplies, power cords, cables and peripherals are not low halogen. Service parts obtained after purchase may not be low halogen.

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