ProductSheet

HP ProBook 450 15.6 inch G10 Notebook PC (9B9H6EA)

Essential, commercial-grade features

The HP ProBook 450 15-inch laptop provides growing businesses with the commercial-grade performance, multi-layered endpoint security, and durability in an easily upgradeable design. Powered by the latest Intel® processor[2] and long battery life, this feature-rich PC is well-equipped for long-term productivity and helps enable hybrid work.

Optimized for hybrid work
Look your best wherever you work with enhanced camera features and lighting adjustments.[3]

Tested for durability
Passed 19 MIL-STD tests[6] for durability and easily serviceable—helping make the most of your IT investment.

Performance for growing business
Keep up with demanding tasks with the latest Intel® CPU[2,4], long battery life, and upgradeable memory and storage.

Featuring

Windows 11
Work anywhere without compromising on performance or security with Windows 11 powered by HP's collaboration and connectivity technology.

13th Gen Intel® multi-core processor
Get the perfect combination of power, snappy performance, and value with a 13th gen Intel® Core™ processor to handle multiple work tasks smoothly and reliably with multiple processing cores. [2]

Security is your top priority
The HP Wolf Pro Security Edition provides preconfigured enterprise-level PC protection for small and medium sized businesses. [1]

Fast and efficient wireless LAN
The portability of your PC and the reliability of a fast connection determines where you can work. Get a fast and reliable connection in dense wireless environments with gigabit-speed Wi-Fi 6. [5]

HP Sure Sense
Malware is evolving rapidly and traditional antivirus can't always recognize new attacks. Protect your PC against never-before-seen attacks with HP Sure Sense, which uses deep learning AI to provide exceptional protection against advanced malware.

Specifications

Operating System Software	Windows 11 Pro[1]
Product Color Description (fixed)	Pike silver
Processor Family	13th Generation Intel® Core™ i5 processor
Processor Name	Intel® Core™ i5-1334U (up to 4.6 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 10 cores, 12 threads)[6,7]
Standard Memory Description 01	16 GB DDR4-3200 MT/s (1 x 16 GB)
Memory Slots	2 SODIMM
Hard Drive Description (01)	512 GB PCIe® NVMe™ SSD
Graphics Card Segment 01	Integrated
GScardseg 01 Available Card 01	Intel® Iris® Xe Graphics
Display Description (metric)	39.6 cm (15.6") diagonal, FHD (1920 x 1080), IPS, narrow bezel, anti-glare, 250 nits, 45% NTSC
Display Description	15.6" diagonal, FHD (1920 x 1080), IPS, narrow bezel, anti-glare, 250 nits, 45% NTSC[14,15,16]
Audio Features	Dual stereo speakers, dual array microphones
Product Dimensions W x D x H (metric)	35.94 x 23.39 x 1.99 cm
Product Dimensions W x D x H (imperial)	14.14 x 9.2 x 0.78 in
Weight (metric)	Starting at 1.79 kg *(Weight will vary by configuration. Does not include power adapter.)*
Weight (imperial)	Starting at 3.94 lb *(Weight will vary by configuration. Does not include power adapter.)*
Package Dimensions W x D x H (metric)	6.9 x 48.3 x 30.5 cm
Package Dimensions W x D x H (imperial)	2.71 x 19.01 x 12 in
Keyboard	HP Premium Keyboard – spill-resistant, backlit keyboard with numeric keypad
Pointing Device	Clickpad with multi-touch gesture support, taps enabled as default
Integrated Camera	720p HD camera
External I/O Ports	2 USB Type-A 5Gbps signaling rate (1 charging, 1 power); 1 AC power; 1 HDMI 2.1; 1 stereo headphone/microphone combo jack; 1 RJ-45; 2 USB Type-C® 10Gbps signaling rate (USB Power Delivery, DisplayPort™ 2.1) *(HDMI cable sold separately.)*
Network Interface	Realtek RTL8111HSH-CG GbE
Wireless Technologies	Realtek Wi-Fi 6E RTL8852CE (2x2) and Bluetooth® 5.3 wireless card
Power Supply Required	HP Smart 45 W External AC power adapter[37]
Battery Type	HP Long Life 3-cell, 42 Wh Li-ion
Battery Weight (imperial)	0.39 lb
Battery Weight (metric)	180 g
Ecolabels (fixed)	TCO Certified
Energy Star Certified	ENERGY STAR® certified
Manageability Features	HP Client Management Script Library (download); HP Driver Packs (download); HP Client Catalog (download); HP Manageability Integration Kit Gen4 (download); HP Image Assistant Gen5 (download); HP Cloud Recovery[20,21]
Sustainability Specifications	Low Halogen; Bulk packaging available; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; Outside box and corrugated cushions are 100% sustainably sourced and recyclable; 10% post-consumer recycled plastic
Security Management	Absolute persistence module; HP DriveLock and Automatic DriveLock; HP Secure Erase; HP Sure Click; HP Sure Sense; BIOS Update via Network; HP Sure Admin; HP BIOSphere Gen6; HP Client Security Manager Gen7; TPM 2.0 embedded security chip (Common Criteria EAL4+ and FIPS 140-2 Level 2 Certified); HP Sure Start Gen7; HP Wake on WLAN; HP Tamper Lock; HP Sure Run Gen5; Secured-Core PC Enable[22,23,24,25,26,27,28,29,30,31,32,33,34]
Software Included	HP Connection Optimizer; HP Hotkey Support; HP Support Assistant; HP Power Manager; myHP; HP Privacy Settings; HP Notifications; HP QuickDrop; HP PC Hardware Diagnostics Windows; HP Services Scan; HP Smart Support (download)[17,18,19,38,44,45]
UPC Number	(AB9) 197961851335; (ABB) 198122689323; (ABD) 198828235091; (ABE) 197961851342; (ABU) 197961851359; (BED) 198122689330; (BH5) 197961851366

Manufacturer Warranty	1-year and 3-year limited warranties and 90 day software limited warranty options depending on country. Batteries have a default one year limited warranty. Refer to http://www.hp.com/support/batterywarranty/ for additional battery information. 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 .

Top Recommended Displays, Accessories and Services

Speakerphones	
Poly Sync 10 USB-A USB-C Speakerphone	772C3AA
Backpacks	
HP Everyday 16-inch Laptop Backpack	A08KLUT
HP Prelude Pro 15.6-inch Recycled Backpack	1X644AA
Topload Bags	
HP Renew Business 15.6-inch Laptop Bag	3E5F8AA
Storage	
HP External USB DVDRW Drive	F2B56AA
Wireless Keyboards	
HP 475 Dual-Mode Wireless Keyboard	7N7B9UT
Wireless Mice	
HP 435 Multi-Device Wireless Mouse	3B4Q5UT
Wired Mice	
HP 128 Laser Wired Mouse	265D9AA
Docking	
HP USB-C 100W G6 Dock	9X3V1UT
HP USB-C Dock G5	5TW10AA
Port Replicators	
HP Universal USB-C Multiport Hub	50H55UT
HP 4K USB-C Multiport Hub	6G843AA
HP USB-C to USB-A Hub	Z6A00AA
Security Cables	
HP Nano Keyed Cable Lock	1AJ39AA

Messaging Footnotes

[1] This product includes a one (1) year license of HP Wolf Pro Security Edition which includes HP Sure Click Pro and HP Sure Sense Pro. The HP Wolf Pro Security Edition software is licensed under the license terms of the HP End User License Agreement (EULA) that can be found at: https://support.hp.com/us-en/document/ish_3875769-3873014-16 as modified by the following: "7. Term. Unless otherwise terminated earlier pursuant to the terms contained in this EULA, the license for the HP Wolf Pro Security Edition (HP Sure Sense Pro and HP Sure Click Pro) is effective upon activation and will continue for twelve (12) months thereafter ("Initial Term"). At the end of the Initial Term you may either (a) purchase a renewal license for the HP Wolf Pro Security Edition from HP.com, HP Sales or an HP Channel Partner, or (b) continue using the standard versions of HP Sure Click and HP Sure Sense at no additional cost with no future software updates or HP Support."

[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, branding and/or naming is not a measurement of higher performance.

[3] Requires myHP application and Windows OS.

[4] Optional feature that must be configured at the time of purchase.

[5] Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 6 is backwards compatible with prior 802.11 specs. The specifications for Wi-Fi 6 (802.11ax) are draft and are not final. If the final specifications differ from the draft specifications, it may affect the ability of the PC to communicate with other 802.11ax devices. Wi-Fi® supporting gigabit speeds is achievable with Wi-Fi 6 (802.11ax) when transferring files between two devices connected to the same router. Requires a wireless router, sold separately, that supports 160MHz channels.

[6] MIL-STD 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. Accidental damage requires an optional HP Accidental Damage Protection Care Service.

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 is automatically updated and enabled. High speed internet and Microsoft account required. ISP fees may apply and additional requirements may apply over time for updates. See http://www.windows.com.

[6] 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, branding and/or naming is not a measurement of higher performance.

[7] Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See http://www.intel.com/technology/turboboost/ for more information.

[14] High-definition (HD) / Full high-definition (FHD) content required to view HD /FHD images.

[15] Resolutions are dependent upon monitor capability, and resolution and color depth settings.

[16] Actual brightness will be lower with touchscreen.

[17] HP Support Assistant requires Windows and Internet access.

[18] HP Quick Drop requires Internet access and Windows 10 or higher PC preinstalled with HP QuickDrop app and either an Android device (phone or tablet) running Android 7 or higher with the Android HP QuickDrop app, and /or an iOS device (phone or tablet) running iOS 12 or higher with the iOS HP QuickDrop app.

[19] HP Smart Support requires HP TechPulse to be installed. For more information about how to enable or to download HP Smart Support, please visit http://www.hp.com/smart-support .

[20] HP Manageability Integration Kit can be downloaded from http://www8.hp.com/us/en/ads/clientmanagement/overview.html .

[21] HP Cloud Recovery is available for Z by HP, HP Elite and Pro desktops and laptops PCs with Intel® or AMD processors and requires an open, wired network connection. Note: You must back up important files, data, photos, videos, etc. before use to avoid loss of data. Detail please refer to: https://support.hp.com/us-en/document/c05115630 .

[22] 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.

[23] HP Secure Erase: For the methods outlined in the National Institute of Standards and Technology Special Publication 800-88 "Clear" sanitation method. HP Secure Erase does not support platforms with Intel® Optane™.

[24] HP Sure Click requires Windows 10 Pro or higher or Enterprise. See https://bit.ly/2PrLT6A_SureClick for complete details.

[25] HP Sure Sense is available on select HP PCs with Windows 10 Pro, Windows 10 Enterprise, Windows 11 Pro, or Windows 11 Enterprise OS.

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