ProductSheet

HP ProBook 450 15.6 inch G9 Notebook PC (6G8Z1PA)

Essential features in a modern design

The HP ProBook 450 Laptop provides growing businesses with the commercial-grade performance, HP Wolf Security for Business[5], and durability in a compact design. This PC is powered by an Intel® processor[2] and protected with always-on security you can trust.

HP recommends Windows 11 Pro for business

Designed for hybrid workstyles
Refined, compact design for easy mobility with the collaboration tools to enhance team productivity.

Everyday business performance
Drive performance with the latest Intel® processor[2] and graphics[3], long battery life, and solid-state drives.

Protected by HP Wolf Security
HP Wolf Security for Business creates a hardware-enforced, always-on, resilient defense. [5]

Featuring

Let nothing stand in your way
Power through your day with Windows 10 Pro and the powerful security, collaboration and connectivity features from HP. [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. [4]

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.

Browse confidently
Help protect your PC from websites and read only Microsoft Office and PDF attachments with embedded malware, ransomware, or viruses with hardware-enforced security from HP Sure Click. [6]

Work without interruption
Keep productivity high and downtime low with the fully integrated and automated features of the HP BIOSphere Gen6 firmware ecosystem. Your PCs have extra protection thanks to automatic updates and security checks. [7]

Specifications

Operating system	Windows 10 Pro (available through downgrade rights from Windows 11 Pro)[1,2]
Processor family	12th Generation Intel® Core™ i5 processor
Processor	Intel® Core™ i5-1235U (up to 4.4 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 10 cores, 12 threads)[6,7]
Memory	16 GB DDR4-3200 MHz RAM (1 x 16 GB)
Memory Slots	2 SODIMM
Internal Storage	512 GB PCIe® NVMe™ SSD
Optical drive	Not included
Graphics	Integrated
Graphics (integrated)	Intel® Iris® Xᵉ Graphics
Display	39.6 cm (15.6") diagonal, HD (1366 x 768), narrow bezel, anti-glare, 250 nits, 45% NTSC
Display	15.6" diagonal, HD (1366 x 768), narrow bezel, anti-glare, 250 nits, 45% NTSC[16,20,21]
Display size (diagonal)	39.6 cm (15.6")
Display size (diagonal)	15.6"
Audio	Dual stereo speakers, dual array microphones
Minimum dimensions (W x D x H)	35.94 x 23.39 x 1.99 cm
Minimum dimensions (W x D x H)	14.14 x 9.2 x 0.78 in
Weight	Starting at 1.74 kg *(Weight will vary by configuration.)*
Weight	Starting at 3.83 lb *(Weight will vary by configuration.)*
Keyboard	HP Premium Keyboard – spill-resistant, backlit keyboard with numeric keypad
Ports	3 SuperSpeed USB Type-A 5Gbps signaling rate (1 charging, 1 power); 1 SuperSpeed USB Type-C® 10Gbps signaling rate (USB Power Delivery, DisplayPort™ 2.1); 1 headphone/microphone combo; 1 AC power; 1 RJ-45; 1 HDMI 2.1b *(HDMI cable sold separately.)*
Wireless	Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.2 combo (Supporting Gigabit data rate)
Power	HP Smart 65 W External AC power adapter[37]
Battery type	HP Long Life 3-cell, 51 Wh Li-ion
Energy star certified	ENERGY STAR® certified
Management features	HP Client Management Script Library (download); HP Image Assistant (download); HP Driver Packs (download); HP Client Catalog (download); HP Manageability Integration Kit Gen4 (download); HP Power Manager[26,27]
Sustainable impact specifications	Low Halogen
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; 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[28,29,30,31,32,33,34,35]
Software included	HP Connection Optimizer; HP Hotkey Support; HP MAC Address Manager; HP Support Assistant; myHP; HP Privacy Settings; Touchpoint Customizer for Commercial; HP Notifications; HP QuickDrop; Tile App; HP Quick Touch; HP PC Hardware Diagnostics Windows[23,24,25]
UPC number	196548915187
Manufacturer Warranty	HP Services offers 1-year 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 . [38]

Top Recommended Displays, Accessories and Services

E-Series	
HP E24 G4 FHD Monitor	9VF99AA
P-Series	
HP P27h G4 FHD Monitor	7VH95AA
HP P24h G4 FHD Monitor	7VH44AA
HP P24h G4 FHD Monitor	9UJ13A8
HP P24h G4 FHD Monitor	9UJ13AA
Keyboard and Mouse Kits	
HP Wired Desktop 320MK Mouse and Keyboard	9SR36AA
HP 235 Wireless Mouse and Keyboard Combo	1Y4D0AA
HP 225 Wired Mouse and Keyboard Combo	286J4AA
AC Adapters	
HP 65W USB-C LC Power Adapter	1P3K6AA
HP 65W Slim AC Adapter	H6Y82AA
Headsets	
HP Stereo USB Headset G2	428H5AA
HP Stereo USB Headset G2	428K6AA
HP Stereo 3.5mm Headset G2	428H6AA
HP Stereo 3.5mm Headset G2	428K7AA

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 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. This system is preinstalled with Windows 10 Pro software and also comes with a license for Windows 11 Pro software and provision for recovery 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.

[2] 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 clock speed.

[3] Intel processor and graphics options must be configured at the time of purchase.

[4] 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.

[5] HP Wolf Security for Business requires Windows 10 or higher, includes various HP security features and is available on HP Pro, Elite, Workstation, and RPOS products. See product details for included security features and OS requirements.

[6] HP Sure Click supports Microsoft® Internet Explorer and Chromium™. Supported attachments include Microsoft Office (Word, Excel, PowerPoint) and PDF files in read only mode, when Microsoft Office or Adobe Acrobat are installed.

[7] HP BIOSphere Gen6 requires Windows 10 and is available on select HP Pro and Elite PCs. Features may vary depending on the platform and configurations.

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.

[2] This system is preinstalled with Windows 10 Pro software and also comes with a license for Windows 11 Pro software and provision for recovery 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.

[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.

[16] FHD/HD content required to view FHD/HD images.

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

[21] Actual brightness will be lower with touchscreen.

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

[24] HP QuickDrop 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.

[25] Some Tile features require optional subscription to Tile Premium. Tile application for Windows 10 available for download from the Windows Store. Mobile phone app available for download from App Store and Google Play. Requires iOS 11 and greater or Android 6.0 and greater see https://support.thetileapp.com/hc/en-us/articles/200424778 for more information. Tile will function as long as the PC has battery power.

[26] HP Driver Packs not preinstalled, however available for download at http://www.hp.com/go/clientmanagement .

[27] HP Manageability Integration Kit can be downloaded from http://www.hp.com/go/clientmanagement .

[28] 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.

[29] 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™.

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

[31] 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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