HP ProBook 455 15.6 inch G9 Notebook PC

Essential features in a modern design

The HP ProBook 455 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 AMD processor[2] and protected with always-on security you can trust.

Designed for hybrid workstyles

Whether in the same room or miles apart, bring your teams together with tools to keep interactions open and productive. The ultra-narrow bezel maximizes screen size while lightweight materials provide an easy-to-carry, sleek design.

Everyday business performance

Equipped with the latest AMD processor[2], graphics options[3], and up to 32GB dual channel SODIMM memory[4], the HP ProBook 455 drives performance with long battery life and high-speed solid-state drives.

Protected by HP Wolf Security

HP Wolf Security for Business creates a hardware-enforced, always-on, resilient defense. From the BIOS to the browser, above, in, and below the OS, these constantly evolving solutions help protect your PC from modern threats.[5]

*Product image may differ from actual product

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Featuring

Premium look in a compact chassis
Easily carry your lightweight ProBook with confidence. The durable chassis has an appealing design with a small footprint. The narrow bezel allows a larger screen with more than 80% screen-to-body ratio.[1]

myHP
Enable hardware and software innovations from HP with the myHP application. This single app houses access to settings for audio, video, programmable key, and more.

Look your best, even in low light
Optimize your video calls in low lighting with an optional HD with IR camera and Temporal Noise Reduction that lowers the effects of visual noise and pixelation.[16]

Ready to meet the demands of your day
Get through your deadline-driven, multi-tasking day using the latest AMD processor with the perfect combination of performance, power consumption, and value.[2]

Durable and field ready
Never fear bumps with the thin and light HP ProBook that endures 120,000 hours of the HP Total Test Process and undergoes MIL-STD 810 tests.[6,7]

Help protect our shared future
The HP ProBook 455 uses ocean-bound plastics in the speaker enclosure and display bezel. This EPEAT® registered and ENERGY STAR® certified notebook PC also contains 50 percent recycled aluminum in both the top and bottom covers.[8,9]

Physical tamper protection
Require a supervisor password to be used to unlock a PC anytime optional tamper detection sensors located on the bottom cover of the PC and on internal storage are triggered with HP Tamper Lock.[10]

Stay connected anywhere
Work almost anywhere, even in crowded wireless networks, with a fast, reliable wireless connection, supporting up to Wi-Fi 6E. For expanded connectivity and enhanced security, add optional, high-speed CAT9 WWAN with an external SIM card.[11,12]

Choice of batteries
With two battery options, you can choose the right battery size for your business and budget needs. Customize charging options and manage battery performance with the easy-to-use HP Power Manager dashboard.[13,14]

Work longer, charge faster
HP Long Life Battery gets you through a day of meetings without plugging in. When the day goes longer, you can quickly recharge your PC with HP Fast Charge. You'll get up to 50% battery life in just 30 minutes of charging.[16]

Clear communication for better collaboration
Online meetings, whether your team is next door or around the world, require good sound quality. Top-firing speakers transmit sound that can be clearly heard, while the dual-array mics capture dynamic sound—in front of or around your laptop.

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Technical specifications

Available Operating Systems	Windows 11 Pro[1] Windows 11 Pro (National Academic only)[1] Windows 11 Home – HP recommends Windows 11 Pro for business[1] Windows 11 Home Single Language[1] Windows 11 Pro (Windows 11 Enterprise or Windows 10 Enterprise available with a Volume Licensing Agreement)[1] Windows 11 Pro (preinstalled with Windows 10 Pro Downgrade)[1,2] FreeDOS
Processor family[6]	AMD Ryzen™ processor
Available Processors[3,4,5,6]	AMD Ryzen™ 7 5825U with AMD Radeon™ Graphics (2.0 GHz base clock, up to 4.5 GHz max boost clock, 16 MB L3 cache, 8 cores, 16 threads) AMD Ryzen™ 5 5625U with AMD Radeon™ Graphics (2.3 GHz base clock, up to 4.3 GHz max boost clock, 16 MB L3 cache, 6 cores, 12 threads) AMD Ryzen™ 3 5425U with AMD Radeon™ Graphics (2.7 GHz base clock, up to 4.1 GHz max boost clock, 8 MB L3 cache, 4 cores, 8 threads)
Maximum memory	32 GB DDR4-3200 MHz RAM; (Transfer rates up to 3200 MT/s.); [7] Both slots are accessible/upgradeable by IT or self-maintainers only. Supports dual channel memory.
Memory slots	2 SODIMM
Internal storage	up to 1 TB PCIe® NVMe™ M.2 SSD TLC[8] 128 GB up to 512 GB PCIe® NVMe™ Value M.2 SSD[8] 128 GB up to 256 GB PCIe® NVMe™ Value M.2 SSD[8,40]
Display size (diagonal, metric)	39.6 cm (15.6")
Display	15.6" diagonal, FHD (1920 x 1080), IPS, narrow bezel, anti-glare, 250 nits, 45% NTSC; 15.6" diagonal, HD (1366 x 768), narrow bezel, anti-glare, 250 nits, 45% NTSC; 15.6" diagonal, FHD (1920 x 1080), IPS, narrow bezel, anti-glare, 400 nits, low power, 100% sRGB; 15.6" diagonal, FHD (1920 x 1080), touch, IPS, narrow bezel, anti-glare, 250 nits, 45% NTSC[14,15,16] 39.6 cm (15.6") diagonal, FHD (1920 x 1080), IPS, narrow bezel, anti-glare, 400 nits, low power, 100% sRGB; 39.6 cm (15.6") diagonal, FHD (1920 x 1080), IPS, narrow bezel, anti-glare, 250 nits, 45% NTSC; 39.6 cm (15.6") diagonal, HD (1366 x 768), narrow bezel, anti-glare, 250 nits, 45% NTSC; 39.6 cm (15.6") diagonal, FHD (1920 x 1080), touch, IPS, narrow bezel, anti-glare, 250 nits, 45% NTSC [14,15,16]
Available Graphics	Integrated: AMD Radeon™ Graphics (Support HD decode, DX12, HDMI 1.4.)
Audio	Dual stereo speakers, dual array microphones
Wireless technologies	Realtek Wi-Fi 6 RTL8852BE 802.11a/b/g/n/ax (2x2) and Bluetooth® 5.3 wireless card; Qualcomm® FastConnect™ 6900 Wi-Fi 6E (2x2) and Bluetooth® 5.2 wireless card[9,10,11,12,17] (Compatible with Miracast-certified devices.)
Ports and connectors	1 USB Type-C® 10Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4); 3 USB Type-A 5Gbps signaling rate; 1 AC power; 1 HDMI 2.0b; 1 stereo headphone/microphone combo jack; 1 RJ-45 ; (HDMI cable sold separately.); Optional Ports: 1 External Nano SIM slot for WWAN[39]
Input devices	HP Premium Keyboard – spill resistant, optional backlit keyboard with drain and DuraKeys[13]; Clickpad with multi-touch gesture support
Communications	Intel® XMM™ 7560 LTE Advanced Pro Cat 16
Camera	720p HD camera with temporal noise reduction; IR Camera (select models) [14]
Software	HP Connection Optimizer; HP Hotkey Support; HP MAC Address Manager; HP PC Hardware Diagnostics UEFI; HP Support Assistant; myHP; HP Privacy Settings; HSA Fusion for Commercial; HSA Telemetry for Commercial; Touchpoint Customizer for Commercial; HP Notifications; HP Quick TouchBuy Office (Sold separately)[18]
Available software	HP Smart Support[57]
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
Security Software Licenses	HP Wolf Pro Security Edition[56]
Fingerprint reader	Fingerprint sensor (select models)

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Management 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 Patch Assistant (download); HP Connect for Microsoft Endpoint Manager[22,23,25,31]
Power	HP Smart 65 W External AC power adapter; HP Smart 65 W EM External AC power adapter; HP Smart 45 W External AC power adapter; HP Smart 65 W USB Type-C® adapter; HP Smart 45 W USB Type-C® adapter[35]
Battery type	HP Long Life 3-cell, 42.75 Wh polymer; HP Long Life 3-cell, 51.3 Wh polymer[34]; Battery is internal and not replaceable by customer. Serviceable by warranty.
Battery life	Up to 19 hours 30 minutes[19]
Dimensions	35.94 x 23.39 x 1.99 cm; 2.71 x 19.01 x 12 in 6.9 x 48.3 x 30.5 cm (Package)
Weight	Starting at 1.74 kg; (Weight will vary by configuration.)
Ecolabels	EPEAT® registered configurations available; CECP; IT ECO Declaration; TCO Certified configurations available; EPEAT® Gold registered in the U.S.; SEPA; Taiwan Green Mark; Japan PC Green Label; KOECO[37]
Energy star certified	ENERGY STAR® certified
Sustainable impact 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; 15% post-consumer recycled plastic; Ocean-bound plastic in speaker enclosure(s)[38,41,42,43,44]
Warranty	HP Services offers 1-year limited warranty 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 .

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Footnotes

Messaging Footnotes

[1] Percent of active plus non-active viewing area to active viewing area plus border. Measured with lid vertical to the desk.

[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. AMD's numbering is not a measurement of clock speed.

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

[4] Dual channel memory is sold separately or as an optional feature. Due to the non-industry standard nature of some third-party memory modules, we recommend HP branded memory to ensure compatibility. If you mix memory speeds, the system will perform at the lower memory speed.

[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 Total Test Process testing is not a guarantee of future performance under these test conditions. Any accidental damage requires an optional HP Accidental Damage Protection Care Pack.

[7] MIL STD 810 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. Any accidental damage requires an optional HP Accidental Damage Protection Care Pack.

[8] Laptop speaker enclosure and display bezel components contains 5 percent ocean bound plastic by weight.

[9] Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. EPEAT® status varies by country. Visit http://www.epeat.net for more information.

[10] HP Tamper Lock is an optional feature that must be configured at the factory and requires a supervisor password be established prior to use. Only available with three-year warranty.

[11] Wi-Fi 6E requires a 6GHz router, sold separately, to function in the 6GHz band. Availability of public wireless access points limited. Wi-Fi 6E is backwards compatible with prior 802.11 specs. The specifications for Wi-Fi 6E 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 Wi-Fi 6E devices. Only available in countries where Wi-Fi 6E is supported.

[12] Optional feature that must be configured at the time of purchase and requires external SIM card, not included and must be purchased separately.

[13] Battery must be configured at the time of purchase.

[14] HP Power Manager requires Windows 10 or higher and is available from the Microsoft store.

[15] Recharges your battery up to 50% within 30 minutes when the system is off or in standby mode. Power adapter with a minimum capacity of 65 watts is required. After charging has reached 50% capacity, charging will return to normal. Charging time may vary +/-10% due to System tolerance.

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

Specification 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.

[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. AMD's numbering is not a measurement of clock speed.

[4] Processor speed denotes maximum performance mode; processors will run at lower speeds in battery optimization mode.

[5] AMD Max Burst frequency performance varies depending on hardware, software and overall system configuration.

[6] 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 .

[7] Due to the non-industry standard nature of some third-party memory modules, we recommend HP branded memory to ensure compatibility. If you mix memory speeds, the system will perform at the lower memory speed.

[8] For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 30 GB (for Windows 10 and 11) is reserved for system recovery software.

[9] Wi-Fi 6E requires a Wi-Fi 6E router, sold separately, to function in the 6GHz band. Availability of public wireless access points limited. Wi-Fi 6E is backwards compatible with prior 802.11 specs. And available in countries where Wi-Fi 6E is supported.

[10] WWAN module is an optional feature, requires factory configuration and 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, in all regions.

[11] The term "10/100/1000" or "Gigabit" Ethernet indicates compatibility with IEEE standard 802.3ab for Gigabit Ethernet, and does not connote actual operating speed of 1 Gb/s. For high-speed transmission, connection to a Gigabit Ethernet server and network infrastructure is required.

[12] Miracast is a wireless technology your PC can use to project your screen to TVs, projectors, and streaming.

[13] Backlit keyboard is an optional feature.

[14] HD content required to view HD images.

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

[16] Actual brightness will be lower with touchscreen or Sure View.

[17] Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 5 (802.11 ac) is backwards compatible with prior 802.11 specs.

[18] HP Support Assistant requires Windows and Internet Access.

[19] Windows MM18 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.

[20] 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.

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

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

[24] 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.

[25] HP Connect for Microsoft Endpoint Manager is available from the Azure Market Place for HP Pro, Elite, Z and Point-of-Sale PCs managed with Microsoft Endpoint Manager. Subscription to Microsoft Endpoint Manager required and sold separately. Network connection required.

[26] 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™.

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

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

[29] HP Sure Admin requires Windows 10 or higher, HP BIOS, HP Manageability Integration Kit from http://www.hp.com/go/clientmanagement and HP Sure Admin Local Access Authenticator smartphone app from the Android or Apple store.

[30] HP BIOSphere Gen6 features may vary depending on the platform and configuration.

[31] HP Patch Assistant available on select HP PCs with the HP Manageability Kit that are managed through Microsoft System Center Configuration Manager. HP Manageability Integration Kit can be downloaded from http://www8.hp.com/us/en/ads/clientmanagement/overview.html .

[32] HP Sure Start Gen7 is available on select HP PCs and requires Windows 10 and higher.

[33] HP Fingerprint sensor is an optional feature that must be configured at purchase.

[34] Actual battery Watt-hours (Wh) will vary from design capacity. Battery capacity will naturally decrease with shelf life, time, usage, environment, temperature, system configuration, loaded apps, features, power management settings and other factors.

[35] Availability may vary by country.

[36] HP Care Packs are sold separately. Service levels and response times for HP Care Packs may vary depending on your geographic location. Service starts on date of hardware purchase. Restrictions and limitations apply. For details, visit http://www.hp.com/go/cpc. HP services are governed by the applicable HP terms and conditions of service provided or indicated to Customer at the time of purchase. Customer may have additional statutory rights according to applicable local laws, and such rights are not in any way affected by the HP terms and conditions of service or the HP Limited Warranty provided with your HP Product.

[37] Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. Status varies by country. Visit www.epeat.net for more information.

[38] External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.

[39] SIM slot is not user accessible without WWAN configuration.

[40] Second storage is only available with non-WWAN unit and primary M.2 storage.

[41] Percentage of ocean-bound plastic contained in each component varies by product.

[42] 100% outer box packaging and corrugated cushions made from sustainably sourced certified and recycled fibers.

[43] Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 standard.

[44] Molded pulp cushions made from 100% recycled wood fiber and organic materials.

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

[57] HP Smart Support automatically collects the telemetry necessary upon initial boot of the product to deliver device-level configuration data and health insights and is available preinstalled on select products, thru HP Factory Configuration Services; or it can be downloaded. For more information about how to enable HP Smart Support or for download, please visit http://www.hp.com/smart-support .

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