HP ProBook 460 16 inch G11 Notebook PC

Performance to stay productive from anywhere

The HP ProBook 460 16-inch laptop provides growing businesses with commercial-grade performance, multi-layered endpoint security[4], 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.

Designed for hybrid productivity

Adapt to varied workstyles for comfort and ease-of-use. With 16:10 aspect ratio on a 16-inch display, get a large-screen experience within a compact, modern design for enhanced productivity, whether working at home or in the office.

Optimized for growing business

Keep up with demanding, deadline-driven tasks with the latest Intel® processor[2] and long battery life. Unlock AI-powered workflows with NVIDIA discrete graphics[3] and meet challenging business requirements with upgradeable storage and memory.

Enterprise-level security and durability

Safeguard your business with multi-layered, endpoint security features that help protect your PC from malware and hacking.[4] This PC undergoes 19 MIL-STD tests[5] for durability and is easily serviceable—helping make the most of your IT investment.



*Product image may differ from actual product

Sustainability in action

Help protect our shared future

Manufactured with sustainability in mind, this ProBook 460 contains 50 percent post-industrial recycled stamped aluminum in the chassis and 100 percent sustainably sourced materials in the outer box.[6]

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Featuring

HP recommends Windows 11 Pro for business
Work anywhere without compromising on performance with Windows 11[1] and HP collaboration, security, and connectivity technology.

Latest Intel® multi-core processor
Configure your HP ProBook 460's CPU for the perfect combination of power, snappy performance, and value. The latest Intel® processor handles multiple work tasks smoothly and reliably with multiple processing cores to divide up the work.[2]

Protected by HP Wolf Security
HP Wolf Security for Business[4] 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.

Make connections that matter
Let your audience see you clearly with a hybrid work-ready optional 5MP IR camera.[3] Enjoy the crystal-clear audio tuned by poly studio and AI Noise Reduction.[4]

Smooth graphics performance
Boost your laptop's performance with optional NVIDIA® GeForce RTX2050 discrete graphics.[3] Enable fast execution for your computing, multimedia, and AI workloads with enhanced, dedicated next-gen graphics.

Enhanced viewing experience
Push the limits of performance with this laptop's thin and light chassis and 16-inch display. Featuring a 16:10 aspect ratio, allowing you to see more vertical content in a surprisingly small footprint while reducing the need to scroll.

Automatic framing
Move around a little without losing viewers' attention during video calls with automatic framing.[8] The 5MP IR camera and audio follow you as you move within the camera's frame.

Wireless 4G LTE connectivity
Stay connected almost anywhere with the optional embedded CAT16 WWAN.[9] Highly reliable advanced network connectivity helps expand connectivity and enhance security.

A modern universal docking solution
Quickly transition to desktop productivity with two multi-function USB Type-C® ports. Simply connect with USB-C® cables[10] from your laptop to your displays and other peripherals.

Protect your devices and data
Utilize the optional HP Wolf Protect and Trace service with threshold cryptography to find, lock, and erase data from all your premium HP devices, helping ensure that your sensitive information is protected.[12]

Easy-carry, modern design
Carry this laptop in style with a sleek, compact chassis featuring stylish aluminum components. Portable and light for use at home, in the office, and all places in between.

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Technical specifications

Available Operating Systems	Windows 11 Pro[1] Windows 11 Pro Education[1] Windows 11 Home - HP recommends Windows 11 Pro for business[1] Windows 11 Home Single Language - HP recommends Windows 11 Pro for business[1] Windows 11 Pro (Windows 11 Enterprise or Windows 10 Enterprise available with a Volume Licensing Agreement)[1] FreeDOS
Processor family[5]	Intel® Core™ Ultra 5 processor Intel® Core™ Ultra 7 processor
Available Processors[2,3,4,5]	Intel® Core™ Ultra 7 155H (up to 3.8 GHz E-core Max Turbo frequency, up to 4.8 GHz P-core Max Turbo frequency, 24 MB L3 cache, 6 P-cores and 8 E-cores, 22 threads) Intel® Core™ Ultra 5 125H (up to 3.6 GHz E-core Max Turbo frequency, up to 4.5 GHz P-core Max Turbo frequency, 18 MB L3 cache, 4 P-cores and 8 E-cores, 18 threads) Intel® Core™ Ultra 7 155U (up to 3.8 GHz E-core Max Turbo frequency, up to 4.8 GHz P-core Max Turbo frequency, 12 MB L3 cache, 2 P-cores and 8 E-cores, 14 threads) Intel® Core™ Ultra 5 125U (up to 3.6 GHz E-core Max Turbo frequency, up to 4.3 GHz P-core Max Turbo frequency, 12 MB L3 cache, 2 P-cores and 8 E-cores, 14 threads)
Maximum memory	32 GB DDR5-5600 MHz RAM; (Transfer rates up to 5600 MT/s.) Dual channel support.[6]
Memory slots	2 SODIMM
Internal storage	512 GB up to 1 TB PCIe® Gen4x4 NVMe™ M.2 SSD[7] up to 256 GB PCIe® NVMe™ Value SSD[7]
Display size (diagonal, metric)	40.6 cm (16")
Display	40.6 cm (16") diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 400 nits, low power, 100% sRGB with HP Eye Ease; 40.6 cm (16") diagonal, WUXGA (1920 x 1200), touch, IPS, anti-glare, 300 nits, 45% NTSC; 40.6 cm (16") diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 300 nits, 45% NTSC; 40.6 cm (16") diagonal, WQXGA (2560 x 1600), IPS, anti-glare, 400 nits, low power, 100% sRGB with HP Eye Ease [15,16,17,18,38]
Available Graphics	Integrated: Intel® Arc™ Graphics; Intel® Graphics[12] Discrete: NVIDIA® GeForce RTX™ 2050 Laptop GPU (4 GB GDDR6 dedicated)[13] (Support DX12 and HDMI 2.1.)
Audio	Audio by Poly Studio, dual stereo speakers with discrete amplifiers, integrated dual array microphones
Wireless technologies	Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card[8] (Compatible with Miracast-certified devices.)[11]
Ports and connectors	2 USB Type-C® 20Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4, HP Sleep and Charge); 2 USB Type-A 5Gbps signaling rate (1 charging, 1 power); 1 HDMI 2.1; 1 stereo headphone/microphone combo jack; 1 RJ-45 ; (HDMI cable sold separately.)
Input devices	Spill-resistant, optional backlit keyboard with DuraKeys[14]; Clickpad with multi-touch gesture support; Microsoft Precision Touchpad
Communications	Qualcomm® 9205 LTE Cat-M1; HP 4000 4G LTE Advanced Pro[9,10]
Camera	FHD camera (select models); 5 MP IR camera (select models) [15]
Software	Adobe offer; Buy Office; HP Connection Optimizer; HP Easy Clean[41]; HP Easy Clean Keyboard Driver; HP MAC Address Manager; Copilot in Windows with Copilot key; HP PC Hardware Diagnostics UEFI; HP PC Hardware Diagnostics Windows; HP Power Manager[42]; HP Privacy Settings; HP Services Scan[43]; HP Smart Support[57]; HP Support Assistant[21]; HSA Fusion for Commercial; HSA Telemetry for Commercial; myHP; Miro offer[22]
Security management	HP Client Security Manager; HP Sure Admin[27]; HP Sure Click[28]; HP Sure Recover Gen6[29]; HP Sure Run Gen5[30]; HP Sure Sense; HP Sure Start Gen7[31]; HP Tamper Lock[20]; Secured-Core PC Enable[32]; TPM 2.0 Embedded Security Chip (Common Criteria EAL4+ Certified) (FIPS 140-2 Level 2 Certified); Absolute Persistence Module[33]; BIOS Update via Network; HP BIOSphere Gen6[34]; HP DriveLock and Automatic DriveLock; HP Secure Erase[35]; HP Wake on WLAN; Windows Hello Enhanced Sign-in Security (ESS) Enable; Security lock slot[42]; Battery Health Manager[44]; HP Endpoint Security Controller (ESC-5)
Security Software Licenses	HP Wolf Pro Security Edition[56]
Fingerprint reader	Fingerprint sensor (select models)

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Management features	HP Client Catalog (download) HP Cloud Recovery[23] HP Connect for Microsoft Endpoint Manager[24] HP Client Management Script Library (download) HP Driver Packs (download) HP Image Assistant (download) HP Manageability Integration Kit (download)[25] HP Patch Assistant (download)[26]
Memory card device	1 nano SIM (optional)
Power	45 W USB Type-C® adapter; 65 W USB Type-C® adapter; HP 100 W USB Type-C® slim adapter; HP 65 W USB Type-C® Halogen-free adapter[38]
Battery type	HP Long Life 3-cell, 56 Wh Li-ion polymer[37]; Battery is internal and not replaceable by customer. Serviceable by warranty. Fast charging 50% in 30 minutes.[39]
Dimensions	35.94 x 25.11 x 1.09 cm (front); 35.94 x 25.11 x 1.7 cm (rear); (Front height measurement is near the front edge where the chassis bottom cover taper begins. Back height measurement is near the back edge where the chassis bottom cover taper ends.)
Weight	Starting at 1.74 kg; (Weight will vary by configuration. Does not include power adapter.)
Ecolabels	EPEAT® registered configurations available; TCO Certified configurations available; EPEAT® Gold registered in the U.S.[40]
Energy star certified	ENERGY STAR® certified
Certification and compliance	GS Mark; CSA/UL 62368-1; FCC/ICES/CISPR/VCCI; CE Marking; China CCC/SRRC; Taiwan BSMI/NCC; Korea KCC/KC/KES; Ukraine NSoC/TEC; EAEU Compliance; Saudi Arabian Compliance; Low blue light; WW RoHS
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; 20% post-consumer recycled plastic; Ocean-bound plastic in speaker enclosure and system fan; 50% recycled metal[45,46,47,48,49]
Warranty	1-year 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] 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] 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] Optional feature that must be configured at the time of purchase.
[4] HP Wolf Security for Business requires Windows 10 and 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.
[5] 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.
[6] 100% outer box packaging and corrugated cushions made from sustainably sourced certified and recycled fibers.
[8] Automatic framing is a feature of Windows Studio and requires Windows 11 OS and a processor equipped with an NPU.
[9] WWAN is an optional feature, requires factory configuration and separately purchased service contract. Check with service provider for coverage and availability in your area. 4G LTE not available on all products, in all regions.
[10] USB-C® cables sold separately.
[12] HP Wolf Security Protect and Trace is and optional feature and is available for select HP 400, 600, 800, 1000, Windows based Elite Dragonfly Laptops, select 800 desktops, and Z1 G8 Workstations and will function when the device is powered on and connected to the Internet. HP TechPulse a telemetry and analytics platform that provides critical data around devices and applications and is not sold as a standalone service. HP TechPulse follows stringent GDPR privacy regulations and is ISO27001, ISO27701, ISO27017 and SOC2 Type2 certified for Information Security. Internet access with connection to TechPulse portal is required. For full system requirements, please visit http://www.hpdaas .

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] 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] Processor speed denotes maximum performance mode; processors will run at lower speeds in battery optimization mode.
[4] Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See www.intel.com/technology/turboboost for more information.
[5] Features and software that require a NPU may require may require software purchase, subscription or enablement by a software or platform provider, and third party software may have specific configuration or compatibility requirements. Performance varies by use, configuration, and other factors.
[6] 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.
[7] For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 30GB of disk is reserved for system recovery software.
[8] Wi-Fi 6E requires a Wi-Fi 6E router, and Windows 11, 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.
[9] WWAN is an optional feature, requires factory configuration and separately purchased service contract. Check with service provider for coverage and availability in your area. 4G LTE not available on all products, in all regions.
[10] LPWAN (also called Mobile Narrowband) support HP Protect & Trace with Wolf Connect service through the subscription term, but do not support mobile broadband use.
[11] Miracast is a wireless technology your PC can use to project your screen to TVs, projectors, and streaming.
[12] Intel® Graphics capabilities require system to be configured with Intel® Core™ Ultra 5 or Ultra 7 processors and dual channel memory. Single channel memory will only function as Intel® ARC graphics.
[13] 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 Pro OS or higher. 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).
[14] Backlit keyboard is an optional feature.
[15] WQXGA/WUXGA/FHD resolution content required to view WQXGA/WUXGA/FHD images.
[16] Resolutions are dependent upon monitor capability, and resolution and color depth settings.
[17] Actual brightness will be lower with touchscreen.
[18] All specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.
[19] Requires Windows 11 and an NPU. Timing of feature delivery and availability varies by market and device. Requires Microsoft account to log in. Where Copilot in Windows is not available, the Copilot key will lead to the Bing search engine. See http://aka.ms/WindowsAIFeatures .
[20] HP Tamper Lock must be enabled by the customer or your administrator.
[21] HP Support Assistant is available on Windows. For more information, please visit www.support.hp.com/help/hp-support-assistant .
[22] HP customers qualify for a 90 day trail of Miro, this offer ends September 2025. Complete terms and conditions are provided by Miro when accepting the offer.
[23] HP Cloud Recovery is available for Z by HP, HP Elite and Pro desktops and laptops PCs with Intel® or AMD processors requires an open 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 .
[24] 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.
[25] HP Manageability Integration Kit can be downloaded from http://www8.hp.com/us/en/ads/clientmanagement/overview.html .
[26] HP Patch Assistant available on select HP PCs with the HP Manageability Kit that are managed through Microsoft System Center Configuration Manager.
[27] HP Sure Admin requires HP G8 or newer platforms, Windows 10 or higher, HP BIOS, HP Manageability Kit or KMS Service from http://www.hp.com/go/clientmanagement and HP Sure Admin Local Access Authenticator smartphone app from the Android or Apple store.
[28] HP Sure Click requires Windows 10 and higher. See https://bit.ly/2PrLT6A_SureClick for complete details.
[29] HP Sure Recover is available on select HP PCs and requires Windows 10 or 11 and an open network connection. You must back up important files, data, photos, videos, etc. before using HP Sure Recover to avoid loss of data. HP Sure Recover Gen6 with Embedded Reimaging is an optional feature on select HP PCs which requires Windows 10 or 11 must be configured at purchase. You must back up important files, data, photos, videos, etc. before use to avoid loss of data.
[30] HP Sure Run is available on select HP PCs and requires Windows 10 and higher.
[31] HP Sure Start is available on select HP PCs and requires Windows 10 and higher.
[32] Secured-Core PC Enable requires an Intel® vPro® , AMD Ryzen™ Pro processor or Qualcomm® processor with SD850 or higher and requires 8 GB or more system memory. Secured-core PC is enabled from the factory.
[33] Absolute firmware module is shipped turned off and can only be activated with the purchase a license subscription and full activation of the software agent. License subscriptions can be purchased for terms ranging multiple years. Service is limited, check with Absolute for availability outside the U.S. Certain conditions apply. For full details visit: https://www.absolute.com/about/legal/agreements/absolute/
[34] HP BIOSphere features may vary depending on the platform and configuration.
[35] HP Secure Erase implements the methods outlined in the National Institute of Standards and Technology Special Publication 800-88r "Clear" sanitation method. HP Secure Erase does not support platforms with Intel® Optane™.
[36] HP Fingerprint Reader is an optional feature that requires Windows 10 or 11 and must be configured at purchase.
[37] 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.
[38] Availability may vary by country.
[39] Recharges up to 50% within 30 minutes when the system is off or in standby mode when used with the power adapter provided with the notebook. Power adapter minimum of 65 watts required for battery capacities 56Whr or less. Power adapter minimum of 100 watts required for battery capacities greater than 56Whr and less than 83Whr. Power adapter minimum of 120 watts required for battery capacities greater than 83Whr and less than 100Whr. After charging has reached 90% capacity, charging speed will return to normal. Charging time may vary +/-10% due to System tolerance.
[40] Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. Status varies by country. Visit www.epeat.net for more information.
[41] HP Easy Clean requires Windows 10 RS3 and higher and will disable the keyboard, touchscreen, and clickpad only. Ports are not disabled. See user guide for cleaning instructions.
[42] HP Power Manager requires Windows 10 and higher and can be downloaded from the Microsoft Store. Depending on what version of HP Battery Health Manager (BHM) is available for your device, HP BHM may look at a number of factors to determine how to adjust battery charging over time to optimize battery health. HP BHM is preset to "Let HP Manage my Battery Charging" to allow the system to balance charging between battery health and battery duration. As Let HP Manage My Battery Charging adjusts charge capacity, the amount of run-time on battery will be reduced over time. HP may utilize BIOS updates to adjust BHM settings on select systems to optimize battery health and reduce exposure to those factors that can accelerate battery degradation. To update or change HP BHM settings and for complete details, see https://support.hp.com/us-en/document/ish_4449597-3519507-16
[43] HP Services Scan is provided with Windows Update on select products and will check entitlement on each hardware device to determine if an HP TechPulse-enabled service has been purchased, and will download applicable software automatically. HP TechPulse is a telemetry and analytics platform that provides critical data around devices and applications. For full system requirements or to disable this feature, please visit http://www.hpdaas.com/requirements . Not applicable in China.
[44] Depending on what version of HP Battery Health Manager (BHM) is available for your device, HP BHM may look at a number of factors to determine how to adjust battery charging over time to optimize battery health. HP BHM is preset to "Let HP Manage my Battery Charging" to allow the system to balance charging between battery health and battery duration. As Let HP Manage My Battery Charging adjusts charge capacity, the amount of run-time on battery will be reduced over time. HP may utilize BIOS updates to adjust BHM settings on select systems to optimize battery health and reduce exposure to those factors that can accelerate battery degradation. To update or change HP BHM settings and for complete details, see https://support.hp.com/us-en/document/ish_4449597-3519507-16
[45] Molded pulp cushions made from 100% recycled wood fiber and organic materials.
[46] 100% outer box packaging and corrugated cushions made from sustainably sourced certified and recycled fibers.
[47] External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.
[48] Percentage of ocean-bound plastic contained in each component varies by product.
[49] Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 standard.
[56] HP Wolf Pro Security Edition (including HP Sure Click Pro and HP Sure Sense Pro) is available preloaded on select SKUs and, depending on the HP product purchased, includes a paid 1-year or 3-year license. The HP Wolf Pro Security Edition software is licensed under the license terms of the HP Wolf Security Software - End-User license Agreement (EULA) that can be found at: https://support.hp.com/us-en/document/ish_3875769-3873014-16 as that EULA is 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 either a twelve (12) month or thirty-six (36) month license term ("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.
[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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