HP ProBook 4 G1iR 16 inch Notebook PC

Optimize your work with a resilient, future-ready laptop

Discover a modern PC experience with advanced technology as your teams delve into their daily challenges. HP ProBook 4 laptop PC delivers essential performance, security, and durability in an easily upgradeable 16" package built for a long lifecycle.

Maximize performance with advanced features

Grow your business, managing tasks efficiently with an Intel® Core™ processor.[2,3] Enhance your workflows and keep up with increased responsibilities, thanks to upgradeable storage and memory.

Hybrid productivity unleashed

Adapt to varied workstyles for easy-to-use comfort. With a 16:10 aspect ratio[4] on a 16-inch display and large keyboard and touchpad, get an enhanced productivity experience within a compact, modern design, whether working at home or in the office.

Enterprise-level security, simplified

Safeguard your business from malware and hacking with next-gen antivirus. Multi-layered security application isolation and deep learning features work with management tools to streamline security, hardware, and BIOS tasks to help protect your PC.[5]



*Product image may differ from actual product

Sustainability in action

Help protect our shared future

The ProBook 4 G1iR Notebook PC contains 50% post-industrial recycled aluminum in the cover[6], uses 100 percent HP paper-based packaging from recycled or certified sustainable sources[7], and uses AC current sensors to gauge power consumption.

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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. Summarize and rewrite content, get relevant content recommendations, and stay organized with Microsoft Copilot.[9]

Latest Intel® multi-core processor
Configure your HP ProBook 4 G1iR's CPU for the perfect combination of power, snappy performance, and value. The latest Intel® processor[2,3] handles multiple work tasks smoothly and reliably with multiple processing cores to divide up the work.

Protected by HP Wolf Security
HP Wolf Security for Business[5] 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.

Capture all the details with a UHD brilliant display
Choose a crystal-clear WUXGA resolution display with 300 nits of brightness[3,10,11] or an ultra-crisp WQXGA with 400 nits.[3,10,11] Combined with Low Blue Light[3] and touchscreen[3,11], this display provides a sharp, immersive viewing experience.

Meet performance needs with an upgradeable DDR5 SO-DIMM slot
Elevate your laptop's effectiveness with up to 32GB dual channel memory.[3] Easily upgrade and maintain memory to meet the growing demands of your business.

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 data rate Wi-Fi 6E.[3,12,13]

Performance improvements for HP security solutions
Enable hardware-enforced, self-healing security solutions with the HP Endpoint Security Controller[14] and device identity. Cryptographically protected hardware helps protect against quantum computer attacks and creates a root of trust.

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[4], allowing you to see more vertical content in a surprisingly small footprint while reducing the need to scroll.

Make connections that matter
Let your audience see you clearly with an FHD[3] camera or the optional 5MP + IR camera, featuring Temporal Noise Reduction and ISP.[3] Together with speakers tuned by Poly Studio, help ensure exceptional visual and audio clarity and definition.

Find, lock, or erase a lost PC
Losing an important PC can cost much more than money. Help mitigate risk and reduce those costs with optional HP Wolf Security Protect and Trace with Wolf Connect. Now you have a comprehensive way to locate, lock, and erase a PC in any power state.[15,16]

Work longer, Charge faster
Long battery life can get you through a day of meetings without plugging in. Quickly recharge your laptop with HP Fast Charge. You'll get up to 50% battery life in just 30 minutes of charging.[17]

A modern universal docking solution
Quickly transition to desktop productivity with two multi-function USB Type-C® ports. Simply connect with USB-C® cables[18] from your laptop to your displays and other peripherals.

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Technical specifications

Available Operating Systems	Windows 11 Pro[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 Education[1] Windows 11 Pro (Windows 11 Enterprise available with a Volume Licensing Agreement)[1] FreeDOS
Processor family	Intel® Core™ 7 processor Intel® Core™ 5 processor Intel® Core™ 3 processor
Available Processors[2,3,4]	Intel® Core™ i5-1334U (0.9 GHz E-core base frequency, 1.3 GHz P-core base frequency, up to 3.4 GHz E-core Max Turbo frequency, up to 4.6 GHz P-core Max Turbo frequency, 12 MB L3 cache, 2 P-cores and 8 E-core, 12 threads) Intel® Core™ 7 150U with Intel® Graphics (1.2 GHz E-core base frequency, 1.8 GHz P-core base frequency, up to 4 GHz E-core Max Turbo frequency, up to 5.4 GHz P-core Max Turbo frequency, 12 MB L3 cache, 2 P-cores and 8 E-cores, 12 threads) Intel® Core™ 5 120U with Intel® Graphics (0.9 GHz E-core base frequency, 1.4 GHz P-core base frequency, up to 3.8 GHz E-core Max Turbo frequency, up to 5 GHz P-core Max Turbo frequency, 12 MB L3 cache, 2 P-cores and 8 E-cores, 12 threads) Intel® Core™ 3 100U with Intel® Graphics (0.9 GHz E-core base frequency, 1.2 GHz P-core base frequency, up to 3.3 GHz E-core Max Turbo frequency, up to 4.7 GHz P-core Max Turbo frequency, 10 MB L3 cache, 2 P-cores and 4 E-cores, 8 threads) Intel® Core™ 5 220U with Intel® Graphics (up to 3.8 GHz E-core Max Turbo frequency, up to 5 GHz P-core Max Turbo frequency, 12 MB L3 cache, 2 P-cores and 8 E-cores, 20 threads) Intel® Core™ 7 240H with Intel® Graphics (up to 4 GHz E-core Max Turbo frequency, up to 5.2 GHz P-core Max Turbo frequency, 24 MB L3 cache, 6 P-cores and 4 E-cores, 16 threads) Intel® Core™ 5 210H with Intel® Graphics (up to 3.6 GHz E-core Max Turbo frequency, up to 4.8 GHz P-core Max Turbo frequency, 12 MB L3 cache, 4 P-cores and 4 E-cores, 12 threads)
Product colour	Pike silver
Maximum memory	48 GB DDR5-5600 MT/s; (Transfer rates up to 5200 MT/s.) Both slots are accessible/upgradeable by IT or self-maintainers only. Supports dual channel memory.[5]
Memory slots	2 SODIMM
Internal storage	256 GB up to 1 TB PCIe® NVMe™ M.2 SSD[6]
Display size (diagonal, metric)	40.6 cm (16")
Display[11,12,13,14,15]	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, 62.5% sRGB; 40.6 cm (16") diagonal, WUXGA (1920 x 1200), IPS, anti-glare, 300 nits, 62.5% sRGB; 40.6 cm (16") diagonal, 2.5K (2560 x 1600), IPS, 120 Hz, anti-glare, 400 nits, 100% Adobe RGB and 100% DCI-P3 with HP Eye Ease
Available Graphics	Integrated: Intel® Graphics (Support DX12 and HDMI 2.1.)
Audio	Audio by Poly Studio, dual stereo speakers, dual array microphones
Ports and connectors	1 HDMI 2.1; 1 stereo headphone/microphone combo jack; 1 RJ-45; 1 security lock slot; 2 USB Type-A 5Gbps signaling rate (powered); 2 USB Type-C® 20Gbps signaling rate (USB Power Delivery 3.0, DisplayPort™ 1.4, HP Sleep and Charge)[10] ; (Cables are not included.)
Input devices	Spill-resistant, with numeric keypad, optional backlit keyboard and DuraKeys[51]; Clickpad with multi-touch gesture support, taps enabled as default; Microsoft Precision Touchpad; HP Sure Platform; Thermal sensor; HP Tamper Lock; Hall effect sensor[11]
Communications	(Compatible with Miracast-certified devices.[8]); ; Integrated Realtek RTL8111HSH-CG GbE[9,11] ; Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card; MediaTek Wi-Fi 6E RZ616 (2x2) and Bluetooth® 5.3 wireless card
Camera	FHD camera (select models); 5 MP IR camera (select models)
Software	Buy Microsoft Office (sold separately); Edge Customization; HP Connection Optimizer; HP Hotkey support; HP MAC Address Manager; HP Notifications; HP UEFI BIOS Certification level 2.8; HP PC Hardware Diagnostics Windows; HP Privacy Settings; HP Services Scan[19]; HP Smart Support[20]; HP Support Assistant[21]; myHP; HSA Fusion for Commercial; HSA Telemetry for Commercial; Poly Camera Pro; Poly Lens[22]; Copilot in Windows with Copilot key[30]
Security management	HP Sure Admin[31]; HP Sure Click[32]; HP Sure Recover[33]; HP Sure Run[34]; HP Sure Sense[35]; HP Sure Start[36]; HP Tamper Lock; Secured-Core PC Enable; TPM 2.0 Embedded Security Chip (Common Criteria EAL4+ Certified) (FIPS 140-2 Level 2 Certified); Absolute Persistence Module[37]; Audio Permanent Disable; HP BIOS Recovery; BIOS Update via Network; HP BIOSphere[38]; HP DriveLock and Automatic DriveLock; HP Secure Erase[39]; HP Wake on WLAN; Windows Hello Enhanced Sign-in Security (ESS) Enable
Security Software Licenses	HP Wolf Pro Security Edition[56]
Fingerprint reader	Fingerprint sensor (select models)

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Technical specifications

Management features	HP Client Catalog (download)[23]; HP Client Management Script Library (download)[24]; HP Cloud Recovery[25]; HP Connect for Microsoft Endpoint Manager; HP Driver Packs (download)[26]; HP Image Assistant (download)[27]; HP Manageability Integration Kit (download)[28]; HP Power Manager with Battery Health Manager (download)[29]
Memory card device	1 nano SIM (optional)
Power	45 W USB Type-C® adapter; 65 W USB Type-C® adapter; HP 65 W USB Type-C® Halogen-free adapter[18]
Battery type	HP Long Life 3-cell, 56 Wh Li-ion polymer; HP Long Life 3-cell, 48 Wh Li-ion polymer[16]; Battery is internal and not replaceable by customer. Serviceable by warranty. Fast charging 50% in 30 minutes.[17]
Dimensions	35.94 x 25.1 x 1.7 cm (rear); 35.94 x 25.1 x 1.09 cm (front); (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; EPEAT® Gold registered in the U.S.[41]
Energy star certified	ENERGY STAR® certified
Certification and compliance	CECP; 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; 25% post-consumer recycled plastic; 50% ocean-bound plastic; 50% recycled metal; 100% of HP paper-based packaging is from recycled or certified sustainable sources
Warranty	1-year warranty and 90 day software limited warranty options depending on country. Batteries have a default one year limited warranty. 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

[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] All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.
[5] 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.
[6] Recycled metal is expressed as a percentage of the total weight of the metal according to ISO 14021 definitions for metal parts over 25 grams.
[7] HP paper and fiber based packaging for PCs, displays, home and office print, and supplies is reported by suppliers as recycled or certified, with a minimum of 97% by volume verified by HP. Packaging is the box that comes with the product and all paper-based materials inside the box. Packaging for personal systems accessories and spare parts is not included.
[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 11 is automatically updated, which is always enabled. ISP fees may apply and additional requirements may apply over time for updates. See http://www.windows.com .
[9] May require Windows Update or app download from the Microsoft Store. Microsoft Copilot is NOT available in China, Russia, Belarus, and embargoed regions Cuba, Iran, North Korea, Crimea.
[10] WUXGA (1920x1200) or WQXGA (2560x1600) content required to view WUXGA or WQXGA images.
[11] Touchscreen will reduce actual brightness.
[12] Wi-Fi 6E requires a Wi-Fi 6E router, sold separately, 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.
[13] Wi-Fi® supporting gigabit data rate is achievable with Wi-Fi 6E (802.11ax) when transferring files between two devices connected to the same router. Requires a wireless router, sold separately, that supports 160MHz channels.
[14] Requires Windows 10 or higher. For supported HP PCs with the latest HP Endpoint Security Controller (Gen 5). See https://h20195.www2.hp.com/v2/GetDocument.aspx?docname=4AA8-3644ENW .
[15] Service not available in all countries. Cellular service worldwide is limited to areas that Wolf Connect has service available. To learn more about solution service coverage, visit https://www.hpwolf.com/en/legal/ptwc/countries .
[16] HP Protect & Trace with Wolf Connect is available on select HP commercial G10 and G11 laptops and mobile workstation devices and requires HP Workforce Central registration, available at https://admin.hp.com. Devices with a mobile narrowband card (MNB) do not support Internet access. Internet service for devices with 4G LTE and 5G modules is not included and must be purchased separately. Wolf Connect. Service not available in all countries.
[17] 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.
[18] USB-C® cables sold separately.

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 11 is automatically updated, which is always enabled. 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] 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.
[6] For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 32 GB is reserved for system recovery software.
[7] 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.
[8] Miracast is a wireless technology your PC can use to project your screen to TVs, projectors, and streaming.
[9] 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.
[10] USB 20Gbps signaling rate is not available with Thunderbolt™ 4. Actual throughput may vary.
[11] Optional feature that must be configured at the time of purchase.
[12] WUXGA (1920x1200) or WQXGA (2560x1600) content required to view WUXGA or WQXGA images.
[13] Resolutions are dependent upon monitor capability, and resolution and color depth settings.
[14] Actual brightness will be lower with touchscreen.
[15] All specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.
[16] For new batteries, actual battery Watt-hours (Wh) may differ from the design capacity and may have a full charge capacity that differs by up to 10, which is typical for lithium-ion batteries. Battery capacity naturally decreases over time and with use, depending on several factors such as battery health management settings, shelf life, temperature, environment, loaded apps, features, system configuration, and power settings.
[17] 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.
[18] Availability may vary by country.
[19] HP Services Scan is preinstalled and/or provided thru Windows Update and checks for service entitlement on each hardware device and downloads the applicable software agent automatically. To disable this feature, please follow the instructions at http://www.hpdaas.com/requirements. The HP Insights agent is a telemetry and analytics platform that provides critical data around devices and applications and is not sold as a standalone service. HP follows stringent GDPR privacy regulations and is ISO27001, ISO27701, ISO27017 and SOC2 Type2 certified for Information Security. Internet access with connection to the HP Insights agent is required. For full system requirements, please visit http://www.hpdaas.com/requirements. Not available in China.
[20] HP Smart Support requires the HP Insights agent to be installed. For more information about how to enable or to download HP Smart Support, please visit http://www.hp.com/smart-support. HP Services Scan is preinstalled and/or provided thru Windows Update and will check entitlement on each hardware device to determine if an HP Insights agent-enabled service has been purchased, and will download applicable software automatically. HP Insights agent is a telemetry and analytics platform that provides critical data around devices and applications and is not sold as a standalone service. HP follows stringent GDPR privacy regulations and is ISO27001, ISO27701, ISO27017 and SOC2 Type2 certified for Information Security. Internet access is required. For full system requirements or to disable this feature, please visit https://www.hpdaas.com/requirements .
[21] HP Support Assistant is available on Windows. For more information, please visit www.support.hp.com/help/hp-support-assistant .
[22] Poly Lens Desktop requires a Windows OS.
[23] HP Client Catalog not preinstalled, however available for download at (https://www.hp.com/us-en/solutions/client-management-solutions.html)
[24] HP Client Management Script Library (https://www.hp.com/us-en/solutions/client-management-solutions.html#tab=manageability-tools).
[25] 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, 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/computer .
[26] HP Driver Packs not preinstalled, however available for download at http://www.hp.com/go/clientmanagement .
[27] HP Image Assistant not preinstalled, however available for download at (https://ftp.ext.hp.com/pub/caps-softpaq/cmit/HPIA.html)
[28] HP Manageability Integration Kit not presintalled, however available for downloaded from https://www.hp.com/us-en/solutions/client-management-solutions.html#tab=manageability-tools .
[29] HP Power Manager with Battery Health can be downloaded by entering your system information here: https://support.hp.com/in-en/document/ish_4449597-3519507-16 .
[30] Copilot+ in Windows requires Windows 11. Some features require an NPU. Timing of feature delivery and availability varies by market and device. Requires Microsoft account to log in. Where Microsoft in Windows is not available, the Copilot key will lead to the Bing search engine. See aka.ms/copilotpluspcs .
[31] 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.
[32] HP Sure Click requires Windows 10 and higher. See https://bit.ly/2PrLT6A_SureClick for complete details.
[28] 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.
[34] HP Sure Run is available on select HP PCs and requires Windows 10 and higher.
[35] HP Sure Sense requires Windows 10 and higher. See product specifications for availability. On units with WWAN shipping to China, HP Sure Sense is only available via Softpaq download.
[36] HP Sure Start is available on select HP PCs and requires Windows 10 and higher.
[37] Absolute Persistence 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/ .
[38] HP BIOSphere features may vary depending on the platform and configuration.
[39] 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™.
[40] HP Fingerprint Reader is an optional feature that requires Windows 10 or 11 and must be configured at purchase.
[41] 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.
[51] Backlit keyboard is an optional feature.
[56] HP Wolf Security for Business requires Windows 10 or 11 Pro 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 .

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