

# OMEN by HP 17 inch Laptop PC 17-cm2010nr



**Don't bring your desk, this'll be plenty**

Powerful gaming anywhere.

## Product overview

- **Don't leave your best performance at home:** Take your gaming anywhere. With powerful NVIDIA® GeForce RTX™ graphics, a 13th generation Intel® Core™ processor and supercooled by the OMEN Tempest Cooling, this laptop will take off.
- **Bigger Picture. Smaller Package. All Game.** The 17.3 diagonal inch design with high resolution and fast frames with all of the comforts of playing at home, to go. Don't worry about taking it places, it comes with great battery life so it never slows you down.
- **One Place. All Play.** OMEN Gaming Hub is your one-stop shop to elevating your play. From getting rewards just by gaming, to controlling every little performance and lighting option of your machine, the list goes on. Every game, every play, every moment is now in your control.

## Key specifications

- **Operating system:** Windows 11 Home<sup>(1)</sup>
- **Processor:** 13th Generation Intel® Core™ i7-13700HX<sup>(2b)</sup>
- **Display:** 17.3-inch diagonal, FHD (1920 x 1080), 144 Hz, 7 ms response time, IPS, micro-edge, anti-glare, Low Blue Light<sup>(20)(39)</sup>
- **Memory:** 16 GB DDR5-4800 MHz RAM (2 x 8 GB)
- **Internal storage:** 512 GB PCIe® Gen4 NVMe™ M.2 SSD<sup>(15)(58e)</sup>
- **Graphics:** NVIDIA® GeForce RTX™ 4060 Laptop GPU (8 GB GDDR6 dedicated)<sup>(13)</sup>
- **Sound:** Audio by Bang & Olufsen with dual speakers
- **Battery life:**
  - Up to 6 hours (mixed usage)<sup>(85)</sup>
  - Up to 7 hours and 45 minutes (video playback)<sup>(75)</sup>
  - Up to 6 hours and 15 minutes (wireless streaming)<sup>(80)</sup>
- **Wireless:** Wi-Fi 6E (2x2)<sup>(19d)</sup> and Bluetooth® 5.3 wireless card<sup>(25)(26)</sup> (supporting gigabit data rate)<sup>(7e)</sup>
- **Camera:** HP Wide Vision 720p HD camera with temporal noise reduction and integrated dual array digital microphones<sup>(69)(89)</sup>
- **Product weight:** 6.17 lb<sup>(76)</sup>
- **Keyboard:** Full-size, 4-zone RGB backlit, shadow black keyboard and 26-Key Rollover Anti-Ghosting Key technology
- **Included:** 1-month of Xbox Game Pass Ultimate included<sup>(60)</sup>

## Product features

- **Get a fresh perspective with Windows 11:** From a rejuvenated Start menu, to new ways to connect to your favorite people, news, games, and content—Windows 11 is the place to think, express, and create in a natural way.<sup>(1)</sup>
- **Extend beyond performance to let your PC do even more at once:** Offering more than just a performance score. This 13th Gen Intel® Core™ processor advances real-world computing and delivers more ultra-efficient multi-tasking.
- **NVIDIA® GeForce RTX™ 4060:** The NVIDIA® GeForce RTX™ 4060 graphics are beyond fast for gamers and creators. Experience lifelike virtual worlds, ultra-high FPS gaming, revolutionary new ways to create, and unprecedented workflow acceleration.
- **144Hz FHD anti-glare display:** Reduce frustrating lag and image ghosting with a display that combines a 144Hz refresh rate and 1080p Full High Definition resolution for smooth, crisp gameplay.<sup>(20)(39)</sup>
- **Flicker-free:** Using DC Dimming technology that controls brightness by adjusting direct current rather than cycling the backlight, we can eliminate screen flickering for more comfortable viewing.<sup>(61)</sup>
- **Eyesafe® Certified Display:** Eyesafe® certified displays meet TÜV low blue light requirements and Eyesafe® standards for protecting your eyes from harmful blue light without distorting colors to reduce eyestrain when working for long periods of time.
- **HP Fast Charge:** Go from 0 to 50% charge in approximately 30 minutes.<sup>(72)</sup>
- **Effortlessly connected:** Enjoy faster speeds, improved performance, greater capacity and lower latencies than earlier iterations with Wi-Fi 6E and Bluetooth® 5.3 wireless card.<sup>(19c)(25)(26)</sup>
- **HP Wide Vision HD Camera:** The 88-degree, wide-angle field of view lets you video chat with the entire family or group of friends in crystal clear detail.<sup>(69)</sup>
- **PCIe® NVMe™ SSD storage:** Get up to 12.8x faster performance than a SATA SSD.<sup>(58e)</sup>

## Additional product features

- **An exceptionally rich audio experience:** HP Dual Speakers, HP Audio Boost, and expert tuning by Bang & Olufsen bring audio perfection to your PC.
- **Four Zone RGB Keyboard:** Backlight 4 independent zones with different RGB lighting. WASD keys are outlined to highlight key controls.
- **OMEN Tempest Cooling Technology:** Stay cool under pressure with the advanced laptop thermal solution. 3-sided venting and 5-way airflow ensure optimal system stability and performance when gameplay heats up.
- **Enjoy 1-month of high-quality games.** Use the Xbox App to play hundreds of high-quality PC games with friends including new day one titles and get an EA Play membership. With games added all the time, you always have something new to play. Xbox Game Pass Ultimate also enables you to play console games on your Windows PC with cloud gaming, and chat with friends across PC, mobile, and Xbox console.<sup>(60)</sup>

## Product design

- **Sleek design:** Easily take this thin and light PC from room to room or on the road. When your PC goes wherever you go, staying productive and entertained has never been easier.
- **Floating glass display:** The ultra-thin display, perfectly balanced on the nearly invisible stand, creates the illusion of weightlessness.
- **Hidden coaxial hinge:** Drawing inspiration from high-end cabinetry, the hidden coaxial hinge was designed to fold flush, almost disappearing from view.
- **Micro-edge display:** See more of your screen with a micro-edge display that maximizes your viewing area.

## Created with the planet in mind

HP is dedicated to driving progress toward a more sustainable future and making responsible choices for the environment and our customers. We are innovating new ways to reduce the amount of materials in our products and packaging—and to use more recycled materials in their design. Together we can make a difference.

- Built with the environment in mind, this laptop is designed using sustainable materials like:
  - Ocean-bound plastic in speaker enclosures<sup>(63d)</sup>
  - Keyboard keycaps made from post-consumer recycled plastic<sup>(63b)</sup>
  - Keyboard deck and hinge caps made from recycled metal<sup>(63d)</sup>
- HP's outer boxes and fiber cushions used in packaging are 100% sustainably sourced and recyclable.<sup>(63a)</sup>

## Warranty and support

Our Customer Support Team consistently provides quick, responsive assistance in the U.S., Canada and Latin America.

### Included with your product:

- **HP's Hardware Limited Warranty:** Full warranty details are included with your product.
- **Technical Support for Software & initial set-up:** Warranty details are included with your product.

### Support Options:

- **HP Support Assistant - HPSA:** Optimized to enhance your support experience. Help for your PC and HP printers whenever you need it.<sup>(56)</sup>
- **Online Support:** For technical support with this product, visit HP Customer Support <http://support.hp.com>.<sup>(9)</sup>
- **Social Media Support:** To find solutions, ask questions, and share tips, join us on the HP Support Community at [community.hp.com](http://community.hp.com), on Twitter at [twitter.com/HPSupport](https://twitter.com/HPSupport), and Facebook at [facebook.com/HPSupport](https://facebook.com/HPSupport).<sup>(9)</sup>

### Extend your coverage:

- **SmartFriend, part of HP Care:** Experts are available 24/7 to handle any tech issue, on any device, from any brand. Visit [www.hp.com/go/smartfriend](http://www.hp.com/go/smartfriend) to learn more or call toll-free 1-844-814-1800 to get started.<sup>(95)</sup>
- **Care Packs, part of HP Care:** Extend protection beyond the standard limited warranty. For more info, visit [www.hp.com/go/carepack-services](http://www.hp.com/go/carepack-services) or call toll-free at 1-877-232-8009.<sup>(83)</sup>



## Specifications

<b>Operating system</b>	• Windows 11 Home <sup>(1)</sup>
<b>Processor</b>	• 13th Generation Intel® Core™ i7-13700HX <sup>(2b)</sup> • 16-Core
<b>Processor speed</b>	• Up to 5.0 GHz with Intel® Turbo Boost Technology <sup>(2a)</sup>
<b>Processor cache</b>	• 30 MB L3 cache
<b>Memory</b>	• 16 GB DDR5-4800 MHz RAM (2 x 8 GB)
<b>Accessible memory slots</b>	• 2
<b>Video graphics</b>	• NVIDIA® GeForce RTX™ 4060 Laptop GPU (8 GB GDDR6 dedicated) <sup>(13)</sup>
<b>Internal storage</b>	• 512 GB PCIe® Gen4 NVMe™ M.2 SSD <sup>(15)(58e)</sup>
<b>Finish and features</b>	• Top cover: shadow black • Keyboard deck: shadow black aluminum with a sandblasted finish
<b>Camera</b>	• HP Wide Vision 720p HD camera with temporal noise reduction and integrated dual array digital microphones <sup>(69)(69a)</sup>
<b>Display</b>	• 17.3-inch diagonal, FHD (1920 x 1080), 144 Hz, 7 ms response time, IPS, micro-edge, anti-glare, Low Blue Light, 300 nits, 100% sRGB <sup>(20)(9)</sup>
<b>Screen to body ratio</b>	• 84.6% <sup>(40)</sup>
<b>Network card</b>	• Integrated 10/100/1000 GbE LAN <sup>(29)</sup>
<b>Wireless connectivity</b>	• Wi-Fi 6E (2x2) <sup>(19a)</sup> and Bluetooth® 5.3 wireless card <sup>(25)(26)</sup> (supporting gigabit data rate) <sup>(7e)</sup>
<b>Digital media</b>	• 1 Multi-format SD media card reader
<b>Sound</b>	• Audio by Bang & Olufsen with dual speakers
<b>Integrated keyboard</b>	• Full-size, 4-zone RGB backlit, shadow black keyboard and 26-Key Rollover Anti-Ghosting Key technology • HP Imagepad
<b>External notebook ports</b>	• 1 Thunderbolt™ 3 (40Gbps signaling rate) with USB Type-C® 10Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4, HP Sleep and Charge) <sup>(42)(50)(51)(64)</sup> • 1 USB Type-A 5Gbps signaling rate (HP Sleep and Charge) <sup>(64)</sup> • 2 USB Type-A 5Gbps signaling rate • 1 RJ-45 • 1 Headphone/microphone combo (DTS: X® Ultra) <sup>(47)</sup> • 1 AC Smart pin • 1 Mini DisplayPort™ • 1 HDMI 2.1
<b>Dimensions</b>	• <b>Unpackaged:</b> 15.64 in (W) x 10.32 in (D) x 1.06 in (H) • <b>Packaged:</b> 24.57 in (L) x 2.72 in (W) x 13.58 in (H)
<b>Weight</b>	• <b>Unpackaged:</b> 6.17 lb <sup>(7b)</sup> • <b>Packaged:</b> 12.03 lb
<b>What's in the box</b>	• 1-month of Xbox Game Pass Ultimate included <sup>(60)</sup>
<b>Power</b>	• 6-cell, 83 Wh Li-ion polymer battery <sup>(21)</sup> • 330 W Smart AC power adapter

## Learn more at [hp.com](https://hp.com)

<sup>(1)</sup> 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>. <sup>(2a)</sup> 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. Intel, Pentium, Intel Core, Celeron, Iris Xe, Intel logo and the Intel Inside logo are trademarks of Intel Corporation in the U.S. and other countries. <sup>(2b)</sup> Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See [intel.com/technology/turboboost](https://intel.com/technology/turboboost) for more information. GHz refers to internal clock speed of the processor. Other factors besides clock speed may impact system and application performance. <sup>(7a)</sup> Wi-Fi 6E is designed to support gigabit data rate when transferring files between two devices connected to the same router. Requires a wireless router, sold separately. <sup>(8)</sup> Internet access required and not included. Subscription required after 30 days trial period. McAfee, LiveSafe and the McAfee logo are trademarks or registered trademarks of McAfee, Inc. in the United States and other countries. <sup>(9)</sup> Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. <sup>(13)</sup> ©2022 NVIDIA Corporation. NVIDIA, the NVIDIA logo, GeForce, and GeForce RTX are registered trademarks and/or trademarks of NVIDIA Corporation in the United States and other countries. All other trademarks and copyrights are the property of their respective owners. <sup>(15)</sup> Actual formatted capacity is less. Portion of internal storage is reserved for preloaded content. <sup>(19a)</sup> 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. <sup>(20)</sup> All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower. <sup>(21)</sup> 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. <sup>(22)</sup> 100GB of free online storage for one year from date of registration. For complete details and terms of use, including cancellation policies, visit the website at [dropbox.com](https://dropbox.com). Internet service required and not included. <sup>(23)</sup> HP BIOS Protection works with Windows 11 that ships with your PC. <sup>(25)</sup> Bluetooth® 5.3 operation requires Microsoft OS/Chrome OS support. Until Microsoft OS/Chrome OS support is available, Bluetooth® 5.3 will function as Bluetooth® 5.2 or lower. <sup>(26)</sup> Bluetooth® is a trademark owned by its proprietor and used by HP Inc. under license. <sup>(29)</sup> Actual speeds may vary. <sup>(39)</sup> Full High Definition (FHD) content is required to view FHD images. <sup>(40)</sup> Percent of active plus nonactive viewing area to active viewing area plus border. Measure with lid vertical to the desk. <sup>(42)</sup> USB Type-C® and USB-C® are trademarks of USB Implementers Forum. <sup>(47)</sup> Listening to personal stereo equipment at full volume for long periods can damage the user's hearing. To reduce the risk of hearing damage, lower the volume and amount of time listening at full volume. <sup>(50)</sup> DisplayPort™ and the DisplayPort™ logo are trademarks owned by the Video Electronics Standards Association (VESA®) in the United States and other countries. <sup>(51)</sup> Thunderbolt is a trademark of Intel Corporation or its subsidiaries in the U.S. and/or other countries. <sup>(53)</sup> Call 1.800.474.6836 or [support.hp.com](https://support.hp.com) for more information on Care Packs available after standard warranty expires. After standard warranty expires, an incident fee may apply. <sup>(56)</sup> For more information visit [hp.com/go/hpsupportassistant](https://hp.com/go/hpsupportassistant). (Link will vary outside of the U.S.) HP Support Assistant is only available on Windows-based PCs. Internet connection required for updating and connecting to HP Support. <sup>(58e)</sup> Based on HP internal testing using CrystalDiskMark benchmarking software. Performance is sequentially read compared to SATA SSD. <sup>(60)</sup> 1 month trial offer - Promotional offers may be for new members only and/or not be valid for all members and are only available for a limited time. Credit card and Xbox account required. After promotional period, subscription automatically continues at the then-current regular price (subject to change), unless cancelled, plus applicable taxes. To stop being charged, cancel your subscription or turn off recurring billing in your Microsoft account ([account.microsoft.com/services](https://account.microsoft.com/services)) or on your Xbox console, before the next billing date. For more details, see [support.xbox.com/help/subscriptions-billing/manage-subscriptions/cancel-recurring-billing-or-subscription](https://support.xbox.com/help/subscriptions-billing/manage-subscriptions/cancel-recurring-billing-or-subscription). Purchase of Xbox Game Pass Ultimate automatically upgrades your existing Xbox Live Gold, Xbox Game Pass (PC or Console), and/or EA Play membership(s) to Xbox Game Pass Ultimate at a conversion ratio each based on days remaining. Learn how this works at [xbox.com/gamepass](https://xbox.com/gamepass). See [microsoft.com/en-us/legal/subscription-terms](https://microsoft.com/en-us/legal/subscription-terms) for more details. <sup>(61)</sup> The Flicker-free capability is eliminating screen flickering through integrating DC-dimming LED backlights or LED emissions. OLED panel is functional with DC-DIMMING when above 10nits. <sup>(63a)</sup> Percentage of post-consumer recycled plastic contained in keycaps varies by product. <sup>(63b)</sup> Percentage of ocean-bound plastic contained in each component varies by product. <sup>(63c)</sup> Percentage of recycled metal varies by product. <sup>(63d)</sup> 100% outer box/corrugate cushion packaging made from sustainably sourced certified and recycled fibers. Fiber cushions made from 100% recycled wood fiber and organic material. Excludes plastic bags and plastic foam sheeting. <sup>(64)</sup> For best results with HP Sleep and Charge, use a USB charging protocol standard cable or cable adapter with an external device. <sup>(72)</sup> Recharges your battery up to 50% within 30 minutes when the system is off (using "shut down" command). Recommended for use with the HP adapter provided with the notebook, not recommended with a smaller capacity battery charger. After charging has reached 50% capacity, charging speed will return to normal speed. Charging time may vary +/-10% due to System tolerance. <sup>(75)</sup> Battery life tested by HP using continuous FHD video playback, 1080p (1920x1080) resolution, 200 nits brightness, system audio level as image default, player audio level at 100%, played full-screen from local storage, headphone attached or through speaker (if no audio jack port), wireless on but not connected. Actual battery life will vary depending on configuration and maximum capacity will naturally decrease with time and usage. <sup>(76)</sup> Weight and system dimensions may fluctuate due to configuration and manufacturing variances. <sup>(80)</sup> Battery life tested by HP using continuous Netflix video playback, Microsoft Edge Browser, 200 nits brightness, system audio level as image default, headphone attached or through speaker (if no audio jack port), played full-screen, wireless on. Actual battery life will vary depending on configuration and maximum capacity will naturally decrease with time and usage. <sup>(81)</sup> HP QuickDrop is pre-installed on this PC. Unlock use on secondary devices by downloading the app from iOS or Google Play store and connect to your PC. Limited to sharing to one device at a time. Must be linked to an HP PC. Not applicable to sharing content between two mobile devices. <sup>(83)</sup> Service levels and response times for Care Packs may vary depending on your geographic location. Restrictions and limitations apply. Service starts at date of hardware purchase. HP Care Packs are sold separately. For details, visit [hp.com/go/carepack-services](https://hp.com/go/carepack-services). <sup>(85)</sup> Windows MobileMark 18 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 [bapco.com/products/mobilemark-2018/](https://bapco.com/products/mobilemark-2018/) for additional details. <sup>(89)</sup> Features may require software or other 3rd party applications to provide the described functionality. Internet service required and not included. <sup>(89a)</sup> Camera resolution refers to the image sensor active pixels. The actual image capture pixels depend on the app and/or aspect ratio selected. <sup>(89b)</sup> HP SmartFriend will support any major brand of computer and tablet running Microsoft Windows, OSX, iOS, Android, and Chrome OS. 24x7 support is available in English and in the US & Canada (excluding the Province of Quebec) only. Service availability varies by country/region. Internet connection required for remote support. Remote support not available for tablets. Not all service plans cover support for tablets. HP SmartFriend sold separately or as an add-on feature. 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<b>Battery life</b>	• Up to 6 hours (mixed usage) <sup>(85)</sup> • Up to 7 hours and 45 minutes (video playback) <sup>(75)</sup> • Up to 6 hours and 15 minutes (wireless streaming) <sup>(80)</sup>
<b>Warranty and support</b>	• 1-year limited hardware warranty. Additional information available at <a href="https://www.support.hp.com">www.support.hp.com</a> <sup>(9)</sup> • 1-year limited technical support for software and initial setup (from date of purchase) <sup>(53)</sup>

## Software

<b>Help and support</b>	• <b>myHP:</b> myHP provides a simple setup and registration experience that welcomes you to your new HP PC. Customize, optimize, and secure your device with tips and tricks and easy-to-access settings, and receive helpful messages and information to keep things running smoothly. • <b>HP Support Assistant:</b> Included with your computer, this free self-help tool makes it easier than ever to get help with your HP PC and printers. <sup>(56)</sup>
<b>Security and protection</b>	• <b>HP BIOS Protection:</b> Get peace of mind knowing your PC BIOS is protected. HP BIOS Protection automatically checks its health and recovers itself. <sup>(23)</sup>
<b>Partner offers</b>	• <b>Dropbox cloud storage:</b> Store and synchronize your content online with Dropbox. Get 100GB of storage for one year to access, manage, and share your photos, music, and files from anywhere with Internet access. <sup>(9)(22)</sup> • <b>McAfee LiveSafe™:</b> Protect your operating system with a free 30-day McAfee LiveSafe™ trial. <sup>(8)</sup>
<b>System performance</b>	• <b>HP Connection Optimizer:</b> Get consistent and reliable Wi-Fi performance with software that automatically switches between the most efficient wireless access points. <sup>(9)</sup>
<b>Work and lifestyle</b>	• <b>HP QuickDrop:</b> Wirelessly transfer photos, videos, documents and more between your PC and mobile device. Easily snap a photo to share, send addresses for directions on-the-go, and view texts on your PC's screen. With HP QuickDrop, file transfers are easy, fast and reliable. <sup>(8)(81)</sup> • <b>AI Noise Removal:</b> Artificial intelligence technology automatically removes background noise for clearer than ever video chats, audio calls, and recordings.
<b>Gaming and entertainment</b>	• <b>DTS: X® Ultra Technology:</b> By producing authentic, spatially accurate 3D sound through any headset, this technology offers specially tuned audio modes for different game types to provide immersion for the best entertainment experience possible. <sup>(47)</sup> • <b>OMEN Gaming Hub:</b> Your one place for everything to make your gaming experience better. From software enhancements to hardware control, and live services, OMEN Gaming Hub elevates play in an easy and simple way.

## Additional Information

<b>Product number</b>	• 7H5D7UA#ABA
<b>Ad embargo date</b>	• 04/30/2023
<b>UPC Code</b>	• 197192405796
<b>Country of origin</b>	• China
<b>Pallet information</b>	• <b>Dimensions:</b> 46.18 in (L) x 38.03 in (W) x 45.84 in (H) • <b>Total weight:</b> 970.0 lb • <b>Layers:</b> 3 • <b>Products per layer:</b> 26

