Hyper X OMEN 15 inch Gaming Laptop PC 15-gb0587nr







Step past standard

HyperX OMEN 15 sets the standards for 15 inch gaming laptops with an experience that sets itself apart. Play your favorite games at high settings and maximize FPS with OMEN AI.

Product overview

- **Performance on your terms:** Powered by NVIDIA® GeForce RTX™ 5050 GPU and an AMD Ryzen™ processor that pushes your performance farther than ever thanks to OMEN Unleashed Mode, that allows you to manually overclock your device. Then with a single click, OMEN AI lets you play your favorite AAA games with optimized settings and maximizes your FPS without the hassle.
- **Never slow down:** With OMEN Tempest Cooling, your HyperX OMEN 15 stays strong all day. OMEN Fan Cleaner keeps your laptop dust-free with no maintenance needed. To support your performance, the design features dual side fans with fewer rear ports, enlarged vents, and additional bottom vents to maximize airflow and heat dissipation.
- **Faster moves for when it matters:** When worlds get bigger, you'll want a screen that keeps it in view. HyperX OMEN 15 features a 91% screen-to-body-ratio display that puts your game, stream, and movies front and center. Combined with our latest keyboard with rearranged keys that ensure you can react fast in the heat of the game.
- **Your style in RGB colors:** With a 4-zone RGB keyboard, you can customize each zone with its own lighting effect. Whether you want to match your lighting to your favorite game or to your mood, you can personalize it all in Light Studio through OMEN Gaming Hub.

Key specifications

- **Operating system: Windows 11 Home**(1)
- **Processor:** AMD Ryzen™ 5 240(2a)
- **NPU:** AMD Ryzen™ AI (16 NPU TOPS)(6c)
- **Display:** 15.3-inch diagonal, 2K (1920 x 1200), up to 165 Hz, 6.5 ms response time, IPS, micro-edge, anti-glare
- **Memory:** 16 GB DDR5-5600 MT/s
- **Internal storage:** 512 GB PCIe® Gen4 NVMe™ M.2 SSD(15)
- **Graphics:** NVIDIA® GeForce RTX™ 5050 Laptop GPU (8 GB GDDR7 dedicated)(13)
- **Sound:** HyperX with dual speakers
- **Wireless:** Wi-Fi 6 (2x2)(19e) and Bluetooth® 5.4 wireless card(25a)(26)
- **Camera:** 1080P FHD camera with HDR auto switch, temporal noise reduction and integrated dual array digital microphones(89)(89b)
- **Product weight:** 5.34 lb(76)
- **Keyboard:** Full-size, 4-zone RGB backlit, shadow black keyboard with numeric keypad
- **Warranty:** 2-year limited hardware warranty

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.(1)
- **AMD Ryzen™ 5 240 processor:** Where performance elevates everyday experiences. Providing the technology you need to harness the power of advanced computing with introductory AI experiences.
- **Game changer:** Powered by NVIDIA® Blackwell, GeForce RTX™ 5050 Laptop GPU brings game-changing AI capabilities to gamers and creators.
- **AMD FreeSync™ Premium technology:** Every gamer deserves perfectly smooth gameplay and peak performance. Game confidently with a high refresh rate, low framerate compensation, and low latency.(45)
- **2K IPS 165Hz display:** Enjoy better color accuracy and wider viewing angles and display and a high resolution of 1920 x 1200. (20)
- **HP Fast Charge:** Go from 0 to 50% charge in approximately 30 minutes.(72)

Additional product features

- **PCIe® Gen4 NVMe™ M.2 SSD:** With high-speed data transfer, the PCIe® Gen4 NVMe™ M.2 SSD offers fast speed and efficient storage.
- **Effortlessly connected:** Enjoy faster speeds, improved performance and greater capacity with Wi-Fi 6 and Bluetooth® 5.4 wireless card.(19e)(25a)(26)
- **FHD camera with HDR auto-switch:** Deliver smooth and detailed FHD video calls with an HDR auto-switch(89d) that balances contrast and color, even in challenging backlight conditions. While temporal noise reduction and dual digital mics ensure clear and crisp audio.
- **HyperX Audio with dual speakers:** HyperX Audio gives a pristine audio experience that accents the dynamic sounds of gaming and beyond.

Product design

- **Micro-edge display:** By squeezing a larger screen into a smaller frame, this ultra-thin, barely visible bezel revolutionizes your display's appearance with a beautifully efficient design.
- **4-zone RGB keyboard:** Allows you to backlight 4 independent zones with different RGB keyboard lighting. It's all easily controlled through the OMEN Gaming Hub.

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 bezel and speaker enclosures(63c)
  - Keyboard plate, keycaps and scissors contain post-consumer recycled materials(63k)
- HP's outer boxes and fiber cushions used in packaging are 100% sustainably sourced and recyclable.(63e)

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.(56)
- **Online Support:** For technical support with this product, visit HP Customer Support http://support.hp.com.(9)
- **Social Media Support:** To find solutions, ask questions, and share tips, join us on the HP Support Community at community.hp.com, on X at x.com/HPSupport, and Facebook at facebook.com/HPSupport.(9)

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 to learn more or call toll-free 1-844-814-1800 to get started.(95)
- **Care Packs, part of HP Care:** Extend protection beyond the standard limited warranty. For more info, visit www.hp.com/go/carepack-services or call toll-free at 1-877-232-8009.(83)

Specifications

Operating system	• **Windows 11 Home**[1]
Processor	• AMD Ryzen™ 5 240 (up to 5.0 GHz max boost clock, 16 MB L3 cache, 6 cores, 12 threads)[2a][2d]
NPU	• AMD Ryzen™ AI (16 NPU TOPS)[6c]
Memory	• 16 GB DDR5-5600 MT/s
Video graphics	• NVIDIA® GeForce RTX™ 5050 Laptop GPU (8 GB GDDR7 dedicated)[13]
Internal storage	• 512 GB PCIe® Gen4 NVMe™ M.2 SSD[15]
Finish and features	• Top cover: shadow black with a polished finish • Keyboard deck: shadow black with a polished finish • Logo: black chrome
Camera	• 1080P FHD camera with HDR auto switch, temporal noise reduction and integrated dual array digital microphones[89][89b]
Display	• 15.3-inch diagonal, 2K (1920 x 1200), up to 165 Hz, 6.5 ms response time, IPS, micro-edge, anti-glare, 300 nits, 62.5% sRGB[20] • Variable Refresh Rate support • AMD FreeSync™ Premium[45]
Screen to body ratio	• 91%[40d]
Network card	• Integrated 10/100/1000 GbE LAN[29]
Wireless	• Wi-Fi 6 (2x2)[19e] and Bluetooth® 5.4 wireless card[25a][26]
Sound	• HyperX with dual speakers • DTS: X® Ultra
Integrated keyboard	• Full-size, 4-zone RGB backlit, shadow black keyboard with numeric keypad and 26-Key Rollover Anti-Ghosting Key technology • HP Imagepad
External notebook ports	• 1 USB Type-C® 10Gbps signaling rate (USB Power Delivery 3.1, DisplayPort™ 1.4, HP Sleep and Charge)[42][48][50][64] • 2 USB Type-A 10Gbps signaling rate • 1 RJ-45 • 1 Headphone/microphone combo • 1 AC Smart pin • 1 HDMI 2.1
Dimensions	• **Unpackaged:** 13.5 in (W) x 9.96 in (D) x 0.89(front) 0.93(rear) in (H) • Disclaimer: Rear height is measured without the bump out (0.08 in) • **Packaged:** 22.32 in (L) x 2.48 in (W) x 12.99 in (H)
Weight	• **Unpackaged:** 5.34 lb[76] • **Packaged:** 8.33 lb
Power	• 4-cell, 70 Wh Li-ion polymer battery[21] • 150 W AC power adapter
Warranty and support	• 2-year limited hardware warranty. Additional information available at support.hp.com[9] • 1-year limited technical support for software and initial setup (from date of purchase)[53]

Software and technology

Help and support	• **HP App:** 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. • **HP Support Assistant:** Included with your computer, this free self-help tool makes it easier than ever to get help with your HP PC and printers.[56]
Security and protection	• **HP BIOS Protection:** Get peace of mind knowing your PC BIOS is protected. HP BIOS Protection automatically checks its health and recovers itself.[23]
Partner offers	• **Adobe Offer:** Get a complimentary 1 month trial of the best creativity and productivity apps from Adobe with the purchase of a computer from HP. Create anything you can imagine – photos, videos, graphics, webpages, PDFs, and more. Get started with the app that best fits your need.[88a] • **McAfee Premium Individual 30-day trial:** Secure your device with award winning antivirus and online protection. Free trial includes secure VPN for privacy and data protection when browsing on public Wi-Fi.[8][9] • **Dropbox cloud storage:** Store and synchronize your content online with Dropbox. Get 100GB of storage for 90 days to access, manage, and share your photos, music, and files from anywhere with Internet access.[9][22]
System performance	• **HP Connection Optimizer:** Get consistent and reliable Wi-Fi performance with software that automatically switches between the most efficient wireless access points.[9] • **Fan Cleaner:** Taking your laptop apart to clean your fans is a pain, but with our new self-cleaning fan technology, you can spend less time cleaning and more time playing. • **OMEN Tempest Cooling:** Get maximum possible airflow and cooling efficiency. • **Unleashed Mode:** Push your laptop further than it's out-of-the-box limits with Unleashed Mode, which allows you to manually overclock your CPU for maximum performance.
Work and lifestyle	• **Microsoft Copilot:** Microsoft Copilot gives you intelligent answers. Access with just the touch of the Copilot key.[41] • **Otter.ai:** With Otter.ai, an AI assistant can record audio, write notes, automatically capture slides, record, transcribe, and generate meeting summaries so that you can save time and stay organized.
Gaming and entertainment	• **DTS: X® Ultra technology:** By producing authentic, spatially accurate 3D sound, this technology gives games, movies, and music a level of depth and immersion for the best entertainment experience possible.[47] • **Instant Pair:** Seamlessly pair compatible HyperX devices[94] to your laptop, freeing up your ports while also getting you up and running the moment you power on. Enjoy smooth, instant connectivity with no hassle. • **OMEN Light Studio:** Personalize lighting options using a variety of effects like ambient, wave, interactive and more through one app. • **OMEN AI:** Provides personalized settings recommendations to achieve the best possible FPS with minimum hassle.

Additional information

Product number	• D56Y8UA#ABA
Ad embargo date	• 04/05/2026
UPC Code	• 199896866644
Country of origin	• China, Thailand
Pallet information	• **Dimensions:** 47.24 in (L) x 39.37 in (W) x 45.47 in (H) • **Total weight:** 783.7 lb • **Layers:** 3 • **Products per layer:** 30

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[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. [2a] 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. AMD and Radeon are trademarks of Advanced Micro Devices, Inc. [2d] Max Boost clock frequency performance varies depending on hardware, software and overall system configuration. GHz refers to internal clock speed of the processor. Other factors besides clock speed may impact system and application performance. [6c] Features and software that require a NPU may require software purchase, subscription or enablement by a software or platform provider, and third-party software may have specific configuration or compatibility requirements. Potential NPU inferencing performance varies by use, configuration, software and other factors. [8] McAfee is preinstalled on your PC and an account is required for activation. Subscription renewal required after trial period. VPN feature is not available in India, China, Syria or North Korea. McAfee and the McAfee logo are trademarks or registered trademarks of McAfee, Inc. in the United States and other countries. [9] Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. [13] ©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. [15] Actual formatted capacity is less. Portion of internal storage is reserved for preloaded content. [19e] Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 6 is backwards compatible with prior 802.11 specs. Only available in countries where Wi-Fi 6 is supported. [20] All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower. [21] 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. [22] 100GB of free online storage for 90 days from date of registration. For complete details and terms of use, including cancellation policies, visit the website at dropbox.com. Internet service required and not included. [23] HP BIOS Protection works with Windows 11 that ships with your PC. [25a] Bluetooth® 5.4 operation requires Microsoft OS/Chrome OS support. Until Microsoft OS/Chrome OS support is available, Bluetooth® 5.4 will function as Bluetooth® 5.3 or lower. [26] Bluetooth® is a trademark owned by its proprietor and used by HP Inc. under license. [29] Actual speeds may vary. [40d] Percent of active plus nonactive viewing area to active viewing area plus border. Measure with lid vertical to the desk. Calculated to the nearest whole percent may vary +/-0.5%. [41] Copilot key feature availability varies by market, see aka.ms/keysupport. Copilot is NOT available in China, Russia, Belarus, and embargoed regions Cuba, Iran, North Korea, Crimea. [42] USB Type-C® and USB-C® are trademarks of USB Implementers Forum. [45] See www.amd.com/freesync for complete details. © 2024 Advanced Micro Devices, Inc. All rights reserved. AMD, the AMD Arrow logo, Radeon, FreeSync, and combinations thereof are trademarks of Advanced Micro Devices, Inc. [47] 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. [48] For optimal performance and battery chargeability while gaming and rendering, use the power adapter that ships with the PC. You can use the 100W/20V Type-C adapter or power bank when running light loading tasks. System-off charging is only supported on 20V Type-C adapter or power bank. [50] DisplayPort™ and the DisplayPort™ logo are trademarks owned by the Video Electronics Standards Association (VESA®) in the United States and other countries. [53] Call 1.800.474.6836 or support.hp.com for more information on Care Packs available after standard warranty expires. After standard warranty expires, an incident fee may apply. [56] For more information visit 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. [63c] Percentage of ocean-bound plastic contained in each component varies by product. [63e] 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. [63k] Keyboard components contain post-consumer recycled materials. Percentage in each component varies by product. [64] For best results with HP Sleep and Charge, use a USB charging protocol standard cable or cable adapter with an external device. [72] Recharges your battery up to 50% within 30 minutes when the system is off using "shut down" command, using HP adapter provided with the notebook or recommended power adapter disclosed in specifications (see http://store.hp.com). After charging has reached 50% capacity, charging speed will return to normal speed. Charging time may vary +/-10% due to system tolerance. [76] Weight and system dimensions may fluctuate due to configuration and manufacturing variances. [83] 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. [88a] Offer available worldwide (excluding China and embargoed countries or other countries identified as restricted by applicable law or regulation) to new and existing subscribers who are 18+. Click on the Adobe icon in the start menu to redeem a 1-month free trial membership for select Adobe software. The software is tied to the device and is not transferrable. If you would like to sign up for an auto-renewing subscription, you can provide your payment method at sign-up. By adding a payment method, your subscription will automatically renew at the then current rate on your renewal date until you cancel. If you cancel before the end of the one-month free trial, you won't be charged. You can cancel your subscription anytime via your Adobe Account page or by contacting Customer Support. Please see current prices for Adobe products available in this offer. Offer not available to Education, OEM, or volume licensing customers. Subject to availability where the recipient resides. Additional terms and conditions may apply. VOID WHERE PROHIBITED OR RESTRICTED BY LAW. [89] Features may require software or other 3rd party applications to provide the described functionality. Internet service required and not included. [89b] Camera resolution refers to the image sensor active pixels. The actual image capture pixels and aspect ratio depend on the app selected. [89d] The default aspect ratio for the camera is set to 16:9, users have the option to adjust it to 16:10 from within the camera settings. [94] Sold separately, not included. [95] 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. Actual product may vary from image shown on datasheet. © Copyright 2026 HP Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing shall be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein. Microsoft and Windows are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries. All other trademarks are property of their respective owners. 03/05/2026_r1 kc