

OMEN Laptop 15-en0023dx



Looks good, plays better

A thin and light premium gaming experience in an elevated design so you can play everyday.

Product overview

- **Playing with power:** The OMEN 15 is a perfect example of how there can never be too much of a good thing. With an AMD Ryzen™ processor, NVIDIA® GeForce® graphics and cooled by OMEN Tempest Cooling, it makes you think how it all fits into such a tiny little package
- **Looks do matter:** We don't need to tell you how good it looks and feels to play on, but we're going to do it anyways. It's easy on the eyes with a luscious design and fast display. Crafted with Audio by Bang & Olufsen and super long battery life, so that means you won't stop farming those wins or those admiring looks.
- **Customized to your settings:** The OMEN 15 doesn't just stop at having powerful specs and an amazing look. With OMEN Command Center, you can customize and optimize everything from performance controls to the RGB keyboard. It's easy to upgrade and has all the ports you need, so you can take it even further beyond other mere gaming laptops.

Key specifications

- **Operating system:** Windows 10 Home⁽¹⁾
- **Processor:** AMD Ryzen™ 7 4800H^(2a)
- **Display:** 15.6-inch diagonal FHD, 144 Hz, IPS, anti-glare, micro-edge, WLED-backlit⁽³⁹⁾
- **Memory:** 16 GB DDR4-3200 SDRAM (2 x 8 GB)
- **Internal storage:** 1 TB PCIe® NVMe™ M.2 SSD^{(15)(58a)}
- **Graphics:** NVIDIA® GeForce® GTX 1660 Ti (6 GB GDDR6 dedicated)⁽¹³⁾
- **Sound:** Audio by Bang & Olufsen with dual speakers
- **Wireless:** Intel® Wi-Fi 6 AX 200 (2x2) and Bluetooth® 5 combo (Supporting Gigabit file transfer speeds)^{(7)(19e)(26)}
- **Camera:** HP Wide Vision HD Camera with integrated dual array digital microphone⁽⁸⁹⁾
- **Product weight:** 5.43 lb⁽⁷⁶⁾
- **Keyboard:** Full-size, island-style, 4-zone RGB backlit, mica silver keyboard and 26-Key Rollover Anti-Ghosting Key technology

Product features

- **Windows 10 Home:** Do great things confidently with the familiar feel of Windows - only better.⁽¹⁾
- **Elevated aesthetic:** Designed with an aluminum-finished palm rest for a premium look.
- **Thin and light gaming:** A small footprint and thin and light design lets you easily take this PC with you for ultraportable gaming.
- **144Hz Full HD anti-glare display:** Power the latest games in 1080p and up to 144fps for fast, smooth gameplay.⁽²⁰⁾⁽³⁹⁾
- **Three-sided borderless display:** Maximize your screen real estate with a three-sided micro-edge display.
- **HP Fast Charge:** Go from 0 to 50% charge in approximately 45 minutes.⁽⁷⁸⁾
- **NVIDIA® GeForce® GTX 1660Ti graphics:** Game and stream at ultra-speed with fast technology and breakthrough graphics.
- **AMD Ryzen™ 4800 H Mobile Processor:** Uncompromising performance for gaming and content creation.
- **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.

Additional product features

- **Four-zone island-style backlit keyboard:** Allows you to backlight 4 independent zones with different RGB keyboard lighting. WASD keys are outlined to highlight key controls. It's all easily controlled through the OMEN Command Center.
- **Single access panel:** Easy access to your PC's internals make upgrades and maintenance simple.
- **Effortlessly connected:** Enjoy a smoother wireless experience with Wi-Fi 6 (2x2) and Bluetooth® 5.0 combo, all your connections are solid and up to 3x faster file transfer speeds than Wi-Fi 5.^{(19e)(190)(26)}
- **Gigabit Wi-Fi:** Ultra-fast Wi-Fi supporting gigabit speeds.⁽⁷⁾
- **DTS: X® Ultra Technology:** Authentic, spatially accurate 3D sound to provide the best entertainment experience.⁽⁴⁷⁾
- **An exceptionally rich audio experience:** HP Dual Speakers, HP Audio Boost, and expert tuning by Bang & Olufsen bring audio perfection to your PC.
- **PCIe® NVMe™ SSD storage:** Get up to 30x faster performance than a traditional hard drive.^(58a)
- **Enlarged imagepad:** More room on your imagepad makes controlling your PC effortless and intuitive.

Energy efficiency your way

HP is committed to global citizenship and environmental responsibility. Do the environment—and your wallet—a favor when you use the OMEN Laptop that meets strict energy-efficiency and helps reduce your carbon footprint.

- ENERGY STAR® certified⁽⁶²⁾
- EPEAT® Silver registered⁽²⁷⁾
- Low Halogen⁽⁶¹⁾
- Mercury-free display backlights
- Arsenic-free display glass

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 Twitter at twitter.com/HPsupport, and Facebook at facebook.com/HPsupport.⁽⁹⁾



Audio by BANG & OLUFSEN

Specifications

Operating system	• Windows 10 Home ⁽¹⁾
Processor	• AMD Ryzen™ 7 4800H ^(2a)
Processor speed	• 2.9 GHz base clock, up to 4.3 GHz max boost clock ^(2d)
Processor cache	• 4MB L2 cache
Memory	• 16 GB DDR4-3200 SDRAM (2 x 8 GB)
Accessible memory slots	• 2
Video graphics	• NVIDIA® GeForce® GTX 1660 Ti (6 GB GDDR6 dedicated) ⁽¹³⁾
Internal storage	• 1 TB PCIe® NVMe™ M.2 SSD ^{(15)(58a)}
Finish and features	• Top cover: Mica silver with a matte finish • Keyboard deck: Mica silver aluminum with an anodized finish
Camera	• HP Wide Vision HD Camera with integrated dual array digital microphone ⁽⁶⁹⁾
Display	• 15.6-inch diagonal FHD, 144 Hz, IPS, anti-glare, micro-edge, WLED-backlit, 300 nits, 72% NTSC (1920 x 1080) ⁽²⁰⁾⁽³⁹⁾
Screen to body ratio	• 80% ⁽⁴⁰⁾
Network card	• Integrated 10/100/1000 GbE LAN ⁽²⁹⁾
Wireless connectivity	• Intel® Wi-Fi 6 AX 200 (2x2) and Bluetooth® 5 combo (Supporting Gigabit file transfer speeds) ^{(7)(19a)(26)} • MU-MIMO supported
Digital media	• Multi-format SD media card reader
Sound	• Audio by Bang & Olufsen with dual speakers
Integrated keyboard	• Full-size, island-style, 4-zone RGB backlit, mica silver keyboard and 26-Key Rollover Anti-Ghosting Key technology • HP Imagepad with multi-touch gesture support
External notebook ports	• 1 SuperSpeed USB Type-C® 5Gbps signaling rate (DisplayPort™ 1.4, HP Sleep and Charge) ⁽⁴²⁾⁽⁵⁰⁾ • 1 SuperSpeed USB Type-A 5Gbps signaling rate (HP Sleep and Charge) • 2 SuperSpeed USB Type-A 5Gbps signaling rate • 1 RJ-45 • 1 AC Smart pin • 1 Headphone/microphone combo (DTS: X® Ultra) ⁽⁴⁷⁾ • 1 Mini DisplayPort™ • 1 HDMI 2.0a
Dimensions	• Unpackaged: 14.09 in (W) x 9.44 in (D) x 0.89 in (H) • Packaged:
Weight	• Unpackaged: 5.43 lb ⁽⁷⁶⁾ • Packaged: 8.05 lb
Power	• 6-cell, 70.9 Wh Li-ion polymer battery • 200 W Smart AC power adapter
Warranty and support	• 1-year limited hardware warranty. Additional information available at www.support.hp.com ⁽⁹⁾ • 90 days limited technical support for software and initial setup (from date of purchase) ⁽⁵³⁾

Learn more at hp.com

⁽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 10 is automatically updated, which is always enabled. ISP fees may apply and additional requirements may apply over time for updates. See <http://www.microsoft.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. ⁽⁷⁾ Wi-Fi supporting gigabit speeds is achievable when transferring files between two devices connected to the same router. Requires a wireless router, sold separately, that supports 160MHz channels. ⁽⁸⁾ 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. ⁽⁹⁾ Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. ⁽¹³⁾ NVIDIA, GeForce, Surround, and the NVIDIA logo are trademarks and/or registered trademarks of NVIDIA Corporation in the U.S. and other countries. ⁽¹⁵⁾ Actual formatted capacity is less. Portion of internal storage is reserved for preloaded content. ⁽¹⁷⁾ Altering clock frequency and/or voltage may: (i) reduce system stability and useful life of the system, processor, and other system components; (ii) cause the processor and other system components to fail; (iii) cause reductions in system performance; (iv) cause additional heat or other damage; and (v) affect system data integrity. HP and Intel have not tested, and does not warranty, the operation of the processor beyond its specifications. HP and Intel have not tested, and do not warranty, the operation of other system components beyond their industry standard specifications. HP and Intel assume no responsibility that the processor and other system components, including if used with altered clock frequencies and/or voltages, will be fit for any particular purpose. ^(19a) Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 6 (802.11ax) is backwards compatible with prior 802.11 specs. The specifications for Wi-Fi 6 are draft and are not final. If the final specifications differ from the draft specifications, it may affect the ability of the notebook to communicate with other Wi-Fi 6 devices. Only available in countries where 802.11ax is supported. ^(19b) Based on Wi-Fi 5 80MHz and Wi-Fi 6 160MHz minimum requirements when transferring files between two devices connected to the same router. Requires a wireless router, sold separately, that supports 802.11ax (Wi-Fi 6). Only available in countries where 802.11ax is supported. ⁽²⁰⁾ All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower. ⁽²²⁾ New Dropbox users are eligible to get 25 GB of Dropbox space free for 12 months from date of registration. For complete details and terms of use, including cancellation policies, visit the Dropbox website at www.dropbox.com. ⁽²³⁾ Detects BIOS damage and recovers last settings. ⁽²⁵⁾ Bluetooth® is a trademark owned by its proprietor and used by Hewlett-Packard Company under license. ⁽²⁷⁾ EPEAT® Silver registered where applicable. EPEAT registration varies by country. See www.epeat.net for registration status by country. Search keyword generator on HP's 3rd party option store for solar generator accessories at www.hp.com/go/options. ⁽²⁹⁾ Actual speeds may vary. ⁽³⁹⁾ Full High Definition (FHD) content is required to view FHD images. ⁽⁴⁰⁾ Percent of active plus nonactive viewing area to active viewing area plus border. Measure with lid vertical to the desk. ⁽⁴²⁾ USB Type-C® and USB-C® are trademarks of USB Implementers Forum. ⁽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. ⁽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 www.support.hp.com for more information on Care Packs available after 90 days. After 90 days, an incident fee may apply. ⁽⁵⁶⁾ For more information visit <http://www.hp.com/go/psupportassistant>. (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. ^(58a) Based on HP internal testing using CrystalDiskMark benchmarking software. Performance is sequentially faster (read only) compared to traditional 5,400 rpm HDD. ⁽⁶¹⁾ External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen. ⁽⁶²⁾ ENERGY STAR and the ENERGY STAR mark are registered trademarks owned by the U.S. Environmental Protection Agency. ⁽⁷⁶⁾ Weight and system dimensions may fluctuate due to configuration and manufacturing variances. ⁽⁷⁸⁾ Recharges your battery up to 50% within 45 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. ⁽⁸⁹⁾ Features may require software or other 3rd party applications to provide the described functionality. Internet service required and not included. Actual product may vary from image shown on datasheet. © Copyright 2020 HP Development Company, L.P. The information contained herein is subject to change without notice. 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Software

HP help and support	• HP BIOS Protection: Get peace of mind knowing your PC BIOS is protected. HP BIOS Protection automatically checks its health and recovers itself. ⁽²³⁾ • HP Jumpstarts: Get access to great HP solutions and learn about valuable features that come with your new HP PC. • 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⁾
Books, music, photos and videos	• DTS: X® Ultra Technology: 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. ⁽⁴⁷⁾ • Netflix: Watch movies and TV on your PC with subscription. ⁽⁹⁾
Productivity and tools	• OMEN Command Center: OMEN Command Center puts you in control of custom settings for an elite gaming experience. With just a few clicks, you can safely overclock CPU and RAM, customize your keyboard, and optimize connectivity with Network Booster and Dual Force functionality. ⁽¹⁷⁾ • HP Audio Switch: Easily switch between speaker and microphone sources with intuitive controls and a consistent app experience. • HP Connection Optimizer: Get consistent and reliable Wi-Fi performance with software that automatically switches between the most efficient wireless access points. ⁽⁹⁾ • Dropbox cloud storage: Store and synchronize your content online with Dropbox. Get 25GB of storage for one year to access, manage, and share your photos, music, and files from anywhere with Internet access. ⁽⁹⁾⁽²²⁾
Security and protection	• McAfee LiveSafe™: Protect your operating system with a free 30-day McAfee LiveSafe™ trial. ⁽⁸⁾

Additional Information

Product number	• 2V927UA#ABA
Ad embargo date	• 07/19/2020
UPC Code	• 194850566301
Country of origin	• China
Tariff number	• 8471300000
Pallet information	• Dimensions: • Total weight: • Layers: • Products per layer:

