

HP OMEN Notebook 17-w223dx



Wake up. Battle. Conquer. Repeat.

Work harder, train longer, and rise up to the relentless competition. Equipped with powerful hardware and a venomous design, the OMEN Laptop is ready for the challenge, anytime, anywhere.

Product overview

- **Gear up for glory:** The latest AAA games demand a laptop unlike anything else. Tackle the next generation of gaming with NVIDIA® GeForce® GTX graphics and a quad-core Intel® Core™ processor.
- **Immersed in the competition:** Sense every pulse-pounding moment with Full HD IPS display⁽³⁹⁾ and Audio by Bang & Olufsen.
- **Built for greatness:** With a sleek design and Dragon Red backlit keyboard, you're ready for the competition.

Key specifications

- **Operating system:** Windows 10 Home⁽¹⁾
- **Processor:** 7th generation Intel® Core™ i7-7700HQ processor⁽²⁶⁾
- **Display:** 17.3-inch diagonal Full HD⁽³⁹⁾ IPS UWVA anti-glare WLED-backlit (1920 x 1080)
- **Memory:** 8 GB DDR4 SDRAM (1 DIMM)
- **Hard drive:** 1TB hybrid hard drive (1TB 5400RPM + 8GB NAND)^(44a)
- **Graphics:** NVIDIA® GeForce® GTX 1050 (4 GB GDDR5 dedicated)
- **Audio:** Bang & Olufsen with quad speakers
- **Battery life:**
 - Up to 10 hours and 30 minutes (mixed usage)⁽⁷⁰⁾
- **Webcam:** Front-facing HP Wide Vision HD Webcam with integrated dual array digital microphones⁽⁶⁹⁾
- **Optical drive:** DVD-Writer^(64a)
- **Wireless:** 2x2 802.11ac WLAN^(19a) and Bluetooth⁽²⁶⁾
- **Product weight:** 6.28 lb⁽⁷⁶⁾
- **Keyboard:** Full-size island-style backlit keyboard with numeric keypad

Product features

- **Windows 10 Home:** Do great things confidently with the familiar feel of Windows - only better.⁽¹⁾
- **NVIDIA® GeForce® GTX 1050:** Power the latest games in 1080p with fast, smooth gameplay.
- **Full HD IPS display:** Enjoy vibrant, crystal-clear images with 178° wide-viewing angles.⁽³⁹⁾
- **7th generation Intel® Core i7 processor:** Powerful performance easily keeps up with all your multitasking demands and enables new ways to interact with your PC.
- **HP Wide Vision HD Camera:** 88-degree, wide-angle field of view for video chats with the whole family.⁽⁶⁹⁾
- **An exceptionally rich audio experience:** Quad HP Speakers, HP Audio Boost, and expert tuning by Bang & Olufsen bring audio perfection to your PC.
- **Ethernet port:** Plug in and enjoy a smooth, wired Internet experience.
- **HDMI out:** Transmit digital HD video and sound to an external display.
- **HP Fast Charge:** Go from 0 to 90% charge in approximately 90 minutes.⁽⁷⁴⁾
- **Rock-solid connections:** With the latest 802.11 a/c (2x2) WLAN adapter and Bluetooth® 4.2, all your connections are rock solid.^{(19a)(26)}
- **Hard drive storage:** Grow your digital collections and still have room left over.
- **DDR4 RAM:** With its higher bandwidth, everything from multi-tasking to playing games gets a performance boost.^(44a)
- **Dropbox:** If you don't have it today, sign up to get 25 GB of Dropbox space free for 12 months with your HP device.⁽²²⁾
- **McAfee LiveSafe™:** Protect your operating system with a free 30-day McAfee LiveSafe trial.⁽⁶⁾

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 HP OMEN Notebook 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
- All HP computing products are delivered by SmartWay carriers.⁽⁶³⁾
- Recycled Packaging: Count on easy recycling every time. HP designs products and packaging that can be conveniently recycled or reused.⁽³¹⁾

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⁾⁽⁵⁷⁾
- **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 Forum at hp.com/go/supportforum, on Twitter at twitter.com/HPSupport, and Facebook at facebook.com/HPSupport.⁽⁹⁾



BANG & OLUFSEN AUDIO



Specifications

Operating system	• Windows 10 Home⁽¹⁾
Processor	• 7th generation Intel® Core™ i7-7700HQ processor ^(2b) • Quad-Core
Processor speed	• 2.8GHz base frequency, up to 3.8GHz with Intel® Turbo Boost ^{(2b)(2g)}
Processor cache	• 6 MB cache
Memory	• 8 GB DDR4 SDRAM (1 DIMM)
Accessible memory slots	• Memory slot not user accessible
Video graphics	• NVIDIA® GeForce® GTX 1050 (4 GB GDDR5 dedicated)
Hard drive	• 1TB hybrid hard drive (1TB 5400RPM + 8GB NAND) ^(4b)
Finish and features	• HP shadow mesh finish in onyx black and twinkle black • Front-facing HP Wide Vision HD Webcam with integrated dual array digital microphones ^(6g)
Optical drive	• DVD-Writer ^(6a)
Display	• 17.3-inch diagonal Full HD ^(3g) IPS UWVA anti-glare WLED-backlit (1920 x 1080)
Network card	• Integrated 10/100/1000 GbE LAN ^(2g)
Wireless connectivity	• 2x2 802.11ac WLAN ^(19a) and Bluetooth® ^(2c)
Digital media	• Multi-Format Digital Media Card Reader
Audio	• Bang & Olufsen with quad speakers
Keyboard	• Full-size island-style backlit keyboard with numeric keypad
Pointing device	• HP Imagepad with multi-touch gesture support
External notebook ports	• 2 USB 3.1 Gen 1 (Data Transfer Only) • 1 USB 2.0 • 1 HDMI • 1 RJ-45 (LAN) • 2 port- mic in & headphone out
Dimensions	• Unpackaged: 1.17 in (H) x 16.3 in (W) x 10.98 in (D) • Packaged: 2.72 in (H) x 23.54 in (W) x 13.58 in (D)
Weight	• Unpackaged: 6.28 lb ^(7d) • Packaged: 9.15 lb
Security	• Kensington MicroSaver® lock slot • Power-on password • Accepts 3rd party security lock devices
Power	• 150W AC adapter • 6-cell 62 WHr lithium-ion battery
Battery life	• Up to 10 hours and 30 minutes (mixed usage) ^(7o)
Warranty and support	• 1-Year Limited Hardware warranty. Additional information available at www.support.hp.com ⁽⁸⁾ • 90 days Limited Technical support for Software and Initial Setup (from date of purchase) ⁽⁵³⁾

Software

HP help and support	<ul style="list-style-type: none"> • HP ePrint: Wirelessly print from anywhere, anytime, on any HP ePrint-enabled printer.^(85a) • HP Jumpstart: When you boot up your PC for the first time, get a personal walkthrough during the setup and get an informative overview of your PC's features. • 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⁾⁽⁵⁷⁾
Books, music, photos and videos	<ul style="list-style-type: none"> • CyberLink Power Media Player: Enjoy DVDs and video files with enhanced playback quality. • Netflix: Watch movies and TV online or via DVDs with subscription.⁽⁹⁾
Productivity and tools	<ul style="list-style-type: none"> • Dropbox: Keep your files safe, synced, and easy to share with Dropbox. If you don't have it today, sign up to get 25 GB of Dropbox space free for 12 months to save and access your photos, docs, and videos across all your devices.⁽²²⁾ • HP Orbit: This bridge between your PC and mobile device lets you share mobile content right to your PC with a simple, secure WiFi connection.⁽⁹⁾ • HP Recovery Manager: Recover, restore, and create recovery media for your PC.
Security and protection	<ul style="list-style-type: none"> • HP 3D DriveGuard: Your PC's data stays safe from accidental bumps and bruises with HP 3D DriveGuard. It senses motion and locks your spinning hard drive, so a single bump won't delete your entire digital life. • HP CoolSense: Your PC auto adjusts its temperature based on usage and conditions. • McAfee® LiveSafe™: Protect your operating system with a free 30-day McAfee LiveSafe trial.⁽⁸⁾

Additional Information

Product number	• W2N55UA#ABA
Ad embargo date	• 02/05/2017
UPC Code	• 190781400721
Country of origin	• China
Tariff number	• 8471300000
Pallet information	<ul style="list-style-type: none"> • Dimensions: 41.51 in (H) x 47.24 in (W) x 39.37 in (L) • Total Weight: 500.60 lb • Layers: 3 • Products per layer: 26
Battery regulatory data	<ul style="list-style-type: none"> • Transportation or storage regulations: Y • UN# and proper shipping name: UN3481 - Lithium ion batteries packed with equipment • Number of batteries: 1 • Primary battery regulated material: 320g • Primary battery watt hours: 62 • Applicable CPSC regulations: N

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. Intel's numbering is not a measurement of higher performance. Intel, Pentium, Intel Core, Celeron, Intel logo and the Intel Inside logo are trademarks of Intel Corporation in the U.S. and other countries. ^(2b) Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See <http://www.intel.com/technology/turboboost/> for more information. ^(4a) For storage drives, GB = 1 billion bytes. Actual formatted capacity is less. Up to 35GB of drive is reserved for system recovery software. ^(4b) For storage drives, TB = 1 trillion bytes. Actual formatted capacity is less. Up to 35GB of drive is reserved for system recovery software. ^(6a) DVD-Writer does not support DVD RAM. Don't copy copyright protected materials. ⁽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⁾ Internet access required and not included. Availability of public wireless access points limited. ^(19a) Wireless access point and Internet service required. Availability of public wireless access points limited. The specifications for the 802.11ac WLAN are draft specifications and are not final. If the final specifications differ from the draft specifications, it may affect the ability of the PC to communicate with other 802.11ac WLAN devices. ⁽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. Internet service required and not included. ⁽²⁴⁾ Bluetooth® is a trademark owned by its proprietor and used by HP Inc. under license. ⁽²⁷⁾ EPEAT® Silver registered where applicable. EPEAT registration varies by country. See www.epeat.net for registration status by country. ⁽²⁹⁾ Actual speeds may vary. ⁽³¹⁾ Free recycling in select countries. Program may not be available in your area. Check www.hp.com/go/recycling to see if HP offers free recycling in your area. ⁽³⁹⁾ Full High Definition (FHD) content is required to view FHD images. ⁽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. ⁽⁵⁴⁾ For more information visit hp.com/go/hpsupportassistant [Link will vary outside of the U.S.] HP Support Assistant is available for Android and Windows based PCs. ⁽⁵⁷⁾ Internet connection required for updating and connecting to HP Support. ⁽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. ⁽⁶³⁾ Designation based on actions to reduce transportation-related emissions. ⁽⁷⁰⁾ Windows 10 MM14 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 <http://www.bapco.com> for additional details. ⁽⁷⁴⁾ Recharges your battery up to 90% within 90 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 90% capacity, charging speed will return to normal speed. Charging time may vary +/- 10% due to System tolerance. Available on select HP Spectre, HP Envy, HP OMEN and HP Pavilion PC models. See <http://store.hp.com> for a full list of product features. ⁽⁷⁶⁾ Weight and system dimensions may fluctuate due to configuration and manufacturing variances. ^(85a) Requires an Internet connection, not included, to an HP web-enabled printer and HP ePrint account registration. For complete details, see www.hp.com/go/mobileprinting. ⁽⁸⁸⁾ 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. © Copyright 2017 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. All other trademarks are the property of their respective owners.

