

HP OMEN Laptop 17-w220nr



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:** VR and the latest AAA games demand a laptop unlike anything else. Tackle the next generation of gaming with NVIDIA® GeForce® GTX 1060 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.
- **Get in the game:** Experience flawless gameplay with NVIDIA® G-sync technology.
- **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 anti-glare WLED-backlit (1920 x 1080)
- **Memory:** 12 GB DDR4 SDRAM (2 DIMM)
- **Hard drive:** 1 TB 7200RPM Serial ATA hard drive^(4b)
- **Solid-State drive:** 128 GB PCIe® NVMe™ M.2 Solid State Drive⁽¹⁵⁾
- **Graphics:** NVIDIA® GeForce® GTX 1060⁽¹³⁾
- **Audio:** Bang & Olufsen with quad speakers
- **Battery life:** Up to 7 hours (mixed usage)⁽⁷⁰⁾
- **Webcam:** Front-facing HP Wide Vision HD Webcam with integrated dual array digital microphones⁽⁶⁹⁾
- **Wireless:** 2x2 802.11ac WLAN^(19a) and Bluetooth®⁽²⁶⁾
- **Product weight:** 7.39 lb⁽⁷⁶⁾
- **Keyboard:** Dragon Red island-style backlit keyboard with integrated numeric keypad
- **Included:** HP DVD-Writer^(6a)

Product features

- **Windows 10 Home:** Do great things confidently with the familiar feel of Windows - only better.⁽¹⁾
- **NVIDIA® GeForce® GTX 1060 graphics:** The NVIDIA® GeForce® GTX 1060 graphics card is loaded with innovative new gaming technologies and the groundbreaking NVIDIA® Pascal™ architecture, making it the perfect choice for the latest high-definition games.
- **Full HD IPS display:** Enjoy vibrant, crystal-clear images with 178° wide-viewing angles.⁽³⁹⁾
- **NVIDIA G-Sync:** This technology synchronizes GPU and display refresh rates for sharp, stutter-free gameplay.
- **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.
- **Dual storage configuration:** By including both an SSD drive for the operating system and a traditional hard drive you get the benefits of both worlds—fast boot up times, snappy responsiveness, and larger storage capacity.
- **DDR4 RAM:** With its higher bandwidth, everything from multi-tasking to playing games gets a performance boost.^(4a)
- **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.

Additional product features

- **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 and up to 6 times faster than 802.11n 1x1.^{(10)(19a)(26)}
- **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 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
- 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⁾

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:** Extend protection beyond the standard limited warranty. For more info, visit www.hp.com/go/cpc or call toll-free at 1.877.232.8009.⁽⁶³⁾



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	• 12 GB DDR4 SDRAM (2 DIMM)
Accessible memory slots	• Memory slot not user accessible
Video graphics	• NVIDIA® GeForce® GTX 1060 (6 GB GDDR5 dedicated) ⁽¹³⁾
Hard drive	• 1TB 7200RPM Serial ATA hard drive ^(4b)
Solid-state drive	• 128 GB PCIe® NVMe™ M.2 Solid State Drive ⁽¹⁵⁾
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 ⁽⁸⁹⁾
Display	• 17.3-inch diagonal Full HD ⁽³⁹⁾ IPS anti-glare WLED-backlit (1920 x 1080)
Network card	• Integrated 10/100/1000 GbE LAN ⁽²³⁾
Wireless connectivity	• 2x2 802.11ac WLAN ^(19a) and Bluetooth® ⁽²⁶⁾
Digital media	• Multi-format digital media card reader
Audio	• Bang & Olufsen with quad speakers
Keyboard	• Dragon Red island-style backlit keyboard with integrated numeric keypad
Pointing device	• HP Imagepad with multi-touch gesture support
External notebook ports	• 3 USB 3.1 Gen 1 (Data Transfer Only) • 1 Mini DisplayPort™ • 1 HDMI • 1 RJ-45 (LAN) • 2 port- mic in & headphone out
Dimensions	• Unpackaged: 1.29 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: 7.39 lb ⁽⁷⁶⁾ • Packaged: 13.18 lb
What's in the box	• HP DVD-Writer ^(65a)
Security	• Kensington MicroSaver® lock slot
Power	• 230W AC adapter • 6-cell 95.8 Whr lithium-ion polymer battery
Battery life	• Up to 7 hours (mixed usage) ⁽⁷⁰⁾

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> ^(2b) 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. ^(2g) Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See <http://www.intel.com/technology/turboboost/> for more information. ^(4b) For storage drives, GB = 1 billion bytes. Actual formatted capacity is less. Up to 35GB of drive is reserved for system recovery software. ^(4c) For storage drives, TB = 1 trillion bytes. Actual formatted capacity is less. Up to 35GB of drive is reserved for system recovery software. ^(65a) DVD-Writer does not support DVD RAM. Don't copy copyright protected materials. ⁽⁸⁹⁾ 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. ⁽⁹⁰⁾ Internet access required and not included. 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. ⁽¹⁸⁾ Based on HP internal testing with MP4 playing, clamshell mode, 3 meter distance from wireless access point. Actual results may vary. ^(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. ⁽²⁶⁾ 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. ⁽⁵⁶⁾ For more information visit hp.com/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. ⁽⁷⁶⁾ Weight and system dimensions may fluctuate due to configuration and manufacturing variances. ⁽⁸⁹⁾ 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 www.hp.com/go/carepack-services. ^(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 ⁽⁸⁹⁾ Features may require software or other 3rd party applications to provide the described functionality. Internet service required and not included. ⁽⁹⁰⁾ 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. © 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. 11/13_77 g

Warranty and support	<ul style="list-style-type: none"> • 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⁾
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Software

HP help and support	<ul style="list-style-type: none"> • 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"> • Netflix: Watch movies and TV online or via DVDs with subscription.⁽⁹⁾ • CyberLink Power Media Player: Enjoy DVDs and video files with enhanced playback quality.
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 ePrint: Wirelessly print from anywhere, anytime, on any HP ePrint-enabled printer.^(85a) • HP Audio Switch: Easily switch between speaker and microphone sources with intuitive controls and a consistent app experience.
Security and protection	<ul style="list-style-type: none"> • HP Recovery Manager: Recover, restore, and create recovery media for your PC. • McAfee LiveSafe™: Protect your operating system with a free 30-day McAfee LiveSafe™ trial.⁽⁶⁸⁾

Additional Information

Product number	• 1QL52UA#ABA
Ad embargo date	• 07/16/2017
UPC Code	• 190781771623
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: 706.40 lb • Layers: 3 • Products per layer: 26

