

# OMEN Laptop 15-ce051nr



## BE EVERYWHERE

Equipped with powerful hardware and an aggressive design, the OMEN Laptop takes mobile performance seriously, letting you conquer any challenge in-game from just about anywhere.

### Product overview

- **Go on, turn up the settings:** With this kind of power, they'll be running scared. Includes an Intel® Core™ processor and NVIDIA® GeForce® GTX graphics. And with high performance cooling in your arsenal, you're ready to conquer even the most intensive AAA titles.
- **Every last detail. In your sights.** Bring the combat closer with 4K display and Dragon Red backlit keyboard.<sup>(37)(20)</sup>
- **Upgrade. Expand. Evolve.** Level up to the latest hardware and make upgrading a breeze with single panel access to internals.

### Key specifications

- **Operating system:** Windows 10 Home<sup>(1)</sup>
- **Processor:** 7th generation Intel® Core™ i7-7700HQ processor<sup>(2b)</sup>
- **Display:** 15.6-inch diagonal 4K<sup>(37)</sup> IPS anti-glare WLED-backlit (3840 x 2160)
- **Memory:** 16 GB DDR4 SDRAM (2 DIMM)
- **Hard drive:** 1TB 7200RPM Serial ATA hard drive<sup>(4b)</sup>
- **Solid-State drive:** 512 GB PCIe® NVMe™ M.2 Solid State Drive<sup>(15)</sup>
- **Graphics:** NVIDIA® GeForce® GTX 1050 Ti
- **Audio:** Bang & Olufsen with dual speakers
- **Battery life:**
  - Up to 7 hours (mixed usage)<sup>(7)(0)</sup>
  - Up to 5 hours and 15 minutes (video playback)<sup>(75)</sup>
- **Wireless:** 2x2 802.11ac WLAN<sup>(19a)</sup> and Bluetooth<sup>(26)</sup>
- **Webcam:** Front-facing HP Wide Vision HD Webcam with integrated dual array digital microphones<sup>(89)</sup>
- **Product weight:** 5.77 lb<sup>(76)</sup>
- **Keyboard:** Dragon Red island-style backlit keyboard with integrated numeric keypad

### Product features

- **Windows 10 Home:** Do great things confidently with the familiar feel of Windows - only better.<sup>(1)</sup>
- **NVIDIA® GeForce® GTX 1050 Ti graphics:** Take on the latest games in 1080p with fast, smooth 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.
- **4K IPS display:** 8.2 million pixels bring your content to life in mesmerizing quality with 178° wide-viewing angles.<sup>(37)</sup>
- **DTS Headphone:X™ technology:** Produces spatially accurate 3D sound through any headphones for immersive sound quality.<sup>(47)(49a)</sup>
- **An exceptionally rich audio experience:** HP dual speakers, HP Audio Boost, and expert tuning by Bang & Olufsen bring audio perfection to your PC.
- **Dragon Red backlit keyboard:** Dragon Red backlighting, full-size directional arrow keys, and illuminated WASD keys for instant recognition.
- **Single access door:** Easy access to your PC's internals make upgrades and maintenance simple.
- **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.
- **OMEN Command Center:** Included software minimizes latency for a smoother online experience.
- **DDR4 RAM:** With its higher bandwidth, everything from multi-tasking to playing games gets a performance boost.

### Additional product features

- **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.<sup>(18)(19a)(26)</sup>
- **HP Wide Vision HD Camera:** 88-degree, wide-angle field of view for video chats with the whole family.<sup>(89)</sup>
- **Dropbox cloud storage:** If you don't have it today, sign up to get 25 GB of Dropbox space free for 12 months with your HP device.<sup>(22)</sup>
- **McAfee LiveSafe™:** Protect your operating system with a free 30-day McAfee LiveSafe™ trial.<sup>(9)</sup>

### 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<sup>(62)</sup>
- EPEAT® Silver registered<sup>(27)</sup>
- Low Halogen<sup>(61)</sup>
- Mercury-free display backlights
- Arsenic-free display glass
- All HP computing products are delivered by SmartWay carriers.<sup>(63)</sup>
- Recycled Packaging: Count on easy recycling every time. HP designs products and packaging that can be conveniently recycled or reused.<sup>(31)</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)(57)</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 Forum at [hp.com/go/supportforum](http://hp.com/go/supportforum), 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>(55)</sup>
- **Care Packs:** Extend protection beyond the standard limited warranty. For more info, visit [www.hp.com/go/cpc](http://www.hp.com/go/cpc) or call toll-free at 1.877.232.8009.<sup>(63)</sup>



BANG & OLUFSEN AUDIO



## Specifications

<b>Operating system</b>	• Windows 10 Home <sup>(1)</sup>
<b>Processor</b>	• 7th generation Intel® Core™ i7-7700HQ processor <sup>(2b)</sup> • Quad-Core
<b>Processor speed</b>	• 2.8GHz base frequency, up to 3.8GHz with Intel® Turbo Boost <sup>(2b)(2g)</sup>
<b>Processor cache</b>	• 6 MB cache
<b>Memory</b>	• 16 GB DDR4 SDRAM (2 DIMM)
<b>Accessible memory slots</b>	• 2
<b>Video graphics</b>	• NVIDIA® GeForce® GTX 1050 Ti (4 GB GDDR5 dedicated) with up to 1021.5 MB total graphics memory <sup>(13)</sup>
<b>Hard drive</b>	• 1 TB 7200RPM Serial ATA hard drive <sup>(42)</sup>
<b>Solid-state drive</b>	• 512 GB PCIe® NVMe™ M.2 Solid State Drive <sup>(15)</sup>
<b>Finish and features</b>	• HP sandblasted hairline brushing finish and carbon fiber pattern in shadow black • Front-facing HP Wide Vision HD Webcam with integrated dual array digital microphones <sup>(69)</sup>
<b>Display</b>	• 15.6-inch diagonal 4K <sup>(37)</sup> IPS anti-glare WLED-backlit (3840 x 2160)
<b>Network card</b>	• Integrated 10/100/1000 GbE LAN <sup>(20)</sup>
<b>Wireless connectivity</b>	• 2x2 802.11ac WLAN <sup>(19a)</sup> and Bluetooth® <sup>(26)</sup>
<b>Digital media</b>	• Multi-format digital media card reader
<b>Audio</b>	• Bang & Olufsen with dual speakers • Supports DTS Headphone:X <sup>(47)(49a)</sup>
<b>Keyboard</b>	• Dragon Red island-style backlit keyboard with integrated numeric keypad
<b>Pointing device</b>	• Touchpad supporting multi-touch gestures without on/off button
<b>External notebook ports</b>	• 1 USB 3.1 Type-C™ (HP Sleep and Charge, Data up to 5Gb/s, Display Port 1.2) <sup>(41)(42)</sup> • 3 USB 3.1 Gen 1 (1 HP Sleep and Charge) • 1 Mini DisplayPort™ • 1 HDMI • 1 RJ-45 • 1 Headphone-out/microphone-in combo jack (DTS Headphone:X® enabled) <sup>(47)(49a)</sup> • 1 Microphone in
<b>Dimensions</b>	• <b>Unpackaged:</b> 0.98 in (H) x 15.30 in (W) x 10.85 in (L) • <b>Packaged:</b> 2.72 in (H) x 23.54 in (W) x 13.58 in (L)
<b>Weight</b>	• <b>Unpackaged:</b> 5.77 lb <sup>(76)</sup> • <b>Packaged:</b> 8.73 lb
<b>Security</b>	• Kensington MicroSaver® lock slot
<b>Power</b>	• 150W AC adapter • 4-cell 70 Whr lithium-ion polymer battery
<b>Battery life</b>	• Up to 7 hours (mixed usage) <sup>(70)</sup> • Up to 5 hours and 15 minutes (video playback) <sup>(75)</sup>
<b>Warranty and support</b>	• 1-year limited hardware warranty. Additional information available at <a href="http://www.support.hp.com">www.support.hp.com</a> <sup>(9)</sup> • 90 days limited technical support for software and initial setup (from date of purchase) <sup>(53)</sup>

## Learn more at [hp.com](http://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 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> <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 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. <sup>(2b)</sup> Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See <http://www.intel.com/technology/turboboost/> for more information. <sup>(4b)</sup> For storage drives, TB = 1 trillion bytes. Actual formatted capacity is less. Up to 35GB of drive is reserved for system recovery software. <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> Internet access required and not included. Availability of public wireless access points limited. <sup>(13)</sup> NVIDIA, GeForce, Surround, and the NVIDIA logo are trademarks and/or registered trademarks of NVIDIA Corporation in the U.S. and other countries. <sup>(15)</sup> Actual formatted capacity is less. Portion of internal storage is reserved for preloaded content. <sup>(16)</sup> Based on HP internal testing with MP4 playing, clamshell mode, 3 meter distance from wireless access point. Actual results may vary. <sup>(19a)</sup> 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. <sup>(20)</sup> All specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower. <sup>(22)</sup> 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](http://www.dropbox.com). Internet service required and not included. <sup>(26)</sup> Bluetooth® is a trademark owned by its proprietor and used by HP Inc. under license. <sup>(27)</sup> EPEAT® Silver registered where applicable. EPEAT registration varies by country. See [www.epeat.net](http://www.epeat.net) for registration status by country. <sup>(29)</sup> Actual speeds may vary. <sup>(31)</sup> Free recycling in select countries. Program may not be available in your area. Check [www.hp.com/go/recycling](http://www.hp.com/go/recycling) to see if HP offers free recycling in your area. <sup>(37)</sup> Ultra High-definition (UHD) content required to view UHD images. <sup>(41)</sup> Transfer rate may vary. All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower. <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>(49a)</sup> For DTS patents, see <http://patents.dts.com>. Manufactured under license from DTS Licensing Limited. DTS, the Symbol, & DTS and the Symbol together are registered trademarks, and HEADPHONE:X and the DTS HEADPHONE:X logo are trademarks of DTS, Inc. © DTS, Inc. All Rights Reserved. <sup>(53)</sup> Call 1.800.474.6836 or [www.support.hp.com](http://www.support.hp.com) for more information on Care Packs available after 90 days. After 90 days, an incident fee may apply. <sup>(54)</sup> For more information visit [hp.com/go/hpsupportassistant](http://hp.com/go/hpsupportassistant) [Link will vary outside of the U.S.] HP Support Assistant is available for Android and Windows based PCs. <sup>(57)</sup> Internet connection required for updating and connecting to HP Support. <sup>(61)</sup> External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen. <sup>(62)</sup> ENERGY STAR and the ENERGY STAR mark are registered trademarks owned by the U.S. Environmental Protection Agency. <sup>(63)</sup> Designation based on actions to reduce transportation-related emissions. <sup>(70)</sup> 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. <sup>(75)</sup> Tested by HP using continuous video playback, 150 nits brightness, system audio level at 50%, player audio level at 100%, played using a Full HD 1080p video stored locally, headphone attached, wireless off, auto dimming off. 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>(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 [www.hp.com/go/carepack-services](http://www.hp.com/go/carepack-services). <sup>(85a)</sup> 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](http://www.hp.com/go/mobileprinting) <sup>(88)</sup> Features may require software or other 3rd party applications to provide the described functionality. Internet service required and not included. <sup>(89)</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. Actual product may vary from image shown. ©2017 Hewlett-Packard 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 property of their respective owners. 07/17\_13 tg

## Software

<b>HP help and support</b>	<ul style="list-style-type: none"> <li>• <b>HP ePrint:</b> Wirelessly print from anywhere, anytime, on any HP ePrint-enabled printer.<sup>(65a)</sup></li> <li>• <b>HP Jumpstart:</b> 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.</li> <li>• <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)(57)</sup></li> </ul>
<b>Books, music, photos and videos</b>	• <b>Netflix:</b> Watch movies and TV online with subscription. <sup>(9)</sup>
<b>Productivity and tools</b>	<ul style="list-style-type: none"> <li>• <b>Dropbox:</b> 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.<sup>(22)</sup></li> <li>• <b>HP Audio Switch:</b> Easily switch between speaker and microphone sources with intuitive controls and a consistent app experience.</li> <li>• <b>HP Recovery Manager:</b> Recover, restore, and create recovery media for your PC.</li> <li>• <b>OMEN Control Center:</b> Take latency out of the equation. Included software optimizes your gaming experience by prioritizing its network traffic and sending it over the fastest available connection for smoother gameplay.</li> </ul>
<b>Security and protection</b>	<ul style="list-style-type: none"> <li>• <b>HP 3D DriveGuard:</b> 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.</li> <li>• <b>HP CoolSense:</b> Your PC auto adjusts its temperature based on usage and conditions.</li> <li>• <b>McAfee LiveSafe™:</b> Protect your operating system with a free 30-day McAfee LiveSafe™ trial.<sup>(6)</sup></li> </ul>

## Additional Information

<b>Product number</b>	• 1K77UA#ABA
<b>Ad embargo date</b>	• 07/16/2017
<b>UPC Code</b>	• 191628156726
<b>Country of origin</b>	• China
<b>Tariff number</b>	• 8471300000
<b>Pallet information</b>	<ul style="list-style-type: none"> <li>• <b>Dimensions:</b> 42.32 in (H) x 39.37 in (W) x 47.24 in (L)</li> <li>• <b>Total weight:</b> 714.90 lb</li> <li>• <b>Layers:</b> 3</li> <li>• <b>Products per layer:</b> 26</li> </ul>

