

# OMEN Desktop 880-175x



## BECOME UNSTOPPABLE

The OMEN Desktop is geared with a cutting-edge design, the industry's latest hardware, and easy upgradability to crush the latest AAA titles and give you the top-tier performance competition demands.

### Product overview

- **Amped-up for annihilation:** Includes an unlocked Intel® Core™ processor (K series) and NVIDIA® GeForce® RTX graphics.<sup>(17)</sup>
- **Stay cool under pressure:** All-around edge vents, a 120mm front fan, and liquid cooling help ensure when you're on fire in-game, your desktop won't become a molten core. Top that off with a machine-like design and at-the-ready carrying handle, and it's game over.
- **Levels up with you:** Infinite potential begins with tool-less access and easy upgradability.

### Key specifications

- **Operating system:** Windows 10 Home<sup>(1)</sup>
- **Processor:** 9th Generation Intel® Core™ i7-9700K processor<sup>(2b)</sup>
- **Memory:** HyperX® 16 GB DDR4-2666 SDRAM memory<sup>(97)</sup> (2 x 8 GB)
- **Internal Storage:**
  - 2 TB 7200RPM SATA hard drive<sup>(4b)</sup>
  - 512 GB PCIe® NVMe™ M.2 Solid State Drive<sup>(15)(58c)</sup>
- **Graphics:** NVIDIA® GeForce® RTX 2080 graphics card with 8 GB GDDR6 dedicated memory<sup>(13)</sup>
- **Mouse and keyboard:** HP USB wired keyboard with volume control and wired optical mouse
- **Optical drive:** DVD-Writer<sup>(6a)</sup>
- **USB ports:** 10 (2 x 2.0, 6 x 3.0, 2 x 3.0 Type-C™)<sup>(42)</sup>
- **Wireless:** Realtek Wi-Fi 5 (2x2) and Bluetooth® 4.2 Combo, MU-MIMO supported<sup>(19a)(26)</sup>
- **Warranty:** 1-year limited hardware warranty

### Product features

- **Windows 10 Home:** Do great things confidently with the familiar feel of Windows - only better.<sup>(1)</sup>
- **NVIDIA® GeForce® RTX 2080 graphics:** Enjoy new levels of gaming realism, speed, power efficiency, and immersion with real-time ray-tracing technologies for cutting-edge, hyper-realistic graphics.
- **9th generation Intel® Core™ processor (K-series):** Gaming performance faster than ever with 9th generation Intel® Core™ processor. Support up to 8 cores, enhanced overlocking and outstanding power allowing you to game, stream and create multimedia content with no slowdown.<sup>(17)</sup>
- **Liquid cooling:** Hassle-free thermal management helps protect sensitive components from heat overload.
- **Overclocking capability:** Boost your gaming performance with turbocharged processor speeds.<sup>(17)</sup>
- **HP OMEN Command Center:** Easily turn up your performance with included software that enables control over your CPU overclocking settings and prioritizes your gaming traffic to minimize latency.<sup>(17)</sup>
- **DTS Headphone: X™ technology:** Produces spatially accurate 3D sound through any headphones for immersive sound quality.<sup>(47)</sup>
- **Tool-less access:** Easily swap out the hard drives or get inside the system with the included double-sided screwdriver.
- **Adheres to industry standards:** With an easy access angled design, and support for aftermarket parts, it's the ultimate DIY desktop.
- **Clear side panel:** Show off what your PC's got with a window into its internal components.
- **Superb cable management:** The motherboard keeps the PSU and messy cords out of sight.
- **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.

### Additional product features

- **HyperX® DDR4 memory:** With its high performance, everything from multi-tasking to playing games gets a boost.<sup>(97)</sup>
- **USB 2.0 and 3.0 connectors:** With the world's most popular USB connections, you can easily connect any of your existing USB devices.
- **Triple display support:** Add a second and third display for a more immersive and productive computing experience.
- **Rock-solid connections:** With the latest Wi-Fi 5 (2x2) WLAN adapter and Bluetooth® 4.2, all your connections are rock solid.<sup>(19a)(26)</sup>
- **MU-MIMO supported:** Pair with a MU-MIMO router for a smoother online experience in multi-device homes.
- **McAfee LiveSafe™:** Protect your operating system with a free 30-day McAfee LiveSafe™ trial.<sup>(8)</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 OMEN Desktop that meets strict energy-efficiency and helps reduce your carbon footprint.

- ENERGY STAR® certified<sup>(62)</sup>
- EPEAT® Bronze registered<sup>(27b)</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)</sup>
- **Online Support:** For technical support with this product, visit HP Customer Support <http://support.hp.com>.<sup>(10)</sup>
- **Social Media Support:** To find solutions, ask questions, and share tips, join us on the HP Support Community at [hp.com/go/community](http://hp.com/go/community), on Twitter at [twitter.com/HPsupport](https://twitter.com/HPsupport), and Facebook at [facebook.com/HPsupport](https://facebook.com/HPsupport).<sup>(10)</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>(95)</sup>
- **Care Packs, part of HP Care:** Extend protection beyond the standard limited warranty. For more info, visit [www.hp.com/go/carepack-services](http://www.hp.com/go/carepack-services) or call toll-free at 1.877.232.8009.<sup>(83)</sup>



## Specifications

<b>Operating system</b>	• <b>Windows 10 Home<sup>(1)</sup></b>
<b>Processor</b>	• 9th Generation Intel® Core™ i7-9700K processor <sup>(2b)</sup> • 8-Core • Liquid cooling
<b>Processor speed</b>	• 3.60GHz <sup>(2b)</sup>
<b>Cache</b>	• 12 MB Cache
<b>Memory</b>	• HyperX® 16 GB DDR4-2666 SDRAM memory <sup>(97)</sup> (2 x 8 GB) (expandable to 64 GB unbuffered with 16 GB DIMMs)
<b>Internal storage</b>	• 2 TB 7200RPM SATA hard drive <sup>(4b)</sup> • 512 GB PCIe® NVMe™ M.2 Solid State Drive <sup>(15)(58c)</sup>
<b>Finish</b>	• HP finish in OMEN black • Side window
<b>Optical drive</b>	• DVD-Writer <sup>(6a)</sup>
<b>Video graphics</b>	• NVIDIA® GeForce® RTX 2080 graphics card with 8 GB GDDR6 dedicated memory <sup>(13)</sup>
<b>Network interface</b>	• 10/100/1000 Base-T Network <sup>(29)</sup>
<b>Wireless connectivity</b>	• Realtek Wi-Fi 5 (2x2) and Bluetooth® 4.2 Combo, MU-MIMO supported <sup>(15a)(26)</sup>
<b>Memory slots</b>	• 4 DIMM (288-pin) UDIMM (two available)
<b>Expansion slots</b>	• 2 PCI-E x16 (one available) • 2 M.2 (occupied)
<b>Expansion bays</b>	• HDD: 2 external 3.5" (two available) + 2 internal supports both 2.5" and 3.5" (one available) • ODD: 1 x 9.5 mm ultraslim (occupied)
<b>Memory card reader</b>	• HP 3-in-1 Media Card Reader—Supports SD, SDHC, SDXC.
<b>External ports</b>	• Headphone/Microphone Combo (DTS Headphone:X® Enabled) <sup>(47)(49a)</sup> • Top I/O: 2 USB 3.0, 2 USB 3.0 Type-C™ <sup>(42)</sup> , Microphone • Rear: 4 USB 3.0, 2 USB 2.0 • HDMI • 3 DisplayPort™ <sup>(50)</sup> • VirtualLink
<b>Multi-display capable</b>	• DisplayPort and HDMI capabilities, NVIDIA® Surround™ multi-display technology, support for Microsoft® DirectX® 12 <sup>(13)</sup>
<b>Mouse and keyboard</b>	• HP USB wired keyboard with volume control and wired optical mouse
<b>Power supply</b>	• 750 W Platinum efficiency power supply
<b>Dimensions</b>	• <b>Unpackaged:</b> 17.41 in (L) x 7.56 in (W) x 16.43 in (H) approx. • <b>Packaged:</b> 22.80 in (L) x 11.70 in (W) x 21.90 in (H) approx.
<b>Weight</b>	• <b>Unpackaged:</b> 38.80 lb approx. • <b>Packaged:</b> 42.30 lb approx.

<b>Warranty and support</b>	<ul style="list-style-type: none"> <li>• 1-year limited hardware warranty. Additional information available at <a href="http://www.support.hp.com">www.support.hp.com</a></li> <li>• 90 days limited technical support for software and initial setup (from date of purchase)<sup>(53)</sup></li> </ul>
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## Software

<b>HP help and support</b>	<ul style="list-style-type: none"> <li>• <b>HP Support Assistant:</b> Help with your HP PC and printers whenever you need it.<sup>(56)(57)</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> </ul>
<b>Books, music, photos and videos</b>	<ul style="list-style-type: none"> <li>• <b>DVD Playback:</b> Enjoy all of your DVDs on your PC with a high performance DVD player optimized for Windows 10. Enjoy easy navigation and enhanced video quality for most popular DVD formats.<sup>(68)</sup></li> <li>• <b>Netflix:</b> Watch movies and TV online or via DVDs with subscription.<sup>(10)</sup></li> <li>• <b>DTS Headphone:X®:</b> Produces spatially accurate 3D sound through any headphones for immersive sound quality.<sup>(47)(49a)</sup></li> </ul>
<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>OMEN Command Center:</b> Included software delivers easy-to-use overclocking and optimizes your network performance.<sup>(17)</sup></li> <li>• <b>HP Connection Optimizer:</b> Get consistent and reliable Wi-Fi performance with software that automatically switches between the most efficient wireless access points.<sup>(10)</sup></li> </ul>
<b>Security and protection</b>	<ul style="list-style-type: none"> <li>• <b>McAfee LiveSafe™:</b> Protect your operating system with a free 30-day McAfee LiveSafe™ trial.<sup>(8)</sup></li> </ul>

## Additional information

<b>Product number</b>	• 3UQ94AA#ABA
<b>Ad embargo date</b>	• 09/03/2019
<b>UPC code</b>	• 193905916955
<b>Country of origin</b>	• Mexico
<b>Tariff number</b>	• 8471500000 (US PC)
<b>Pallet information</b>	<ul style="list-style-type: none"> <li>• <b>Dimensions:</b> 47.24 in (L/D) x 39.37 in (W) x 70.28 in (H) approx.</li> <li>• <b>Total weight:</b> 793.32 lb approx.</li> <li>• <b>Layers:</b> 3</li> <li>• <b>Products per layer:</b> 6</li> <li>• <b>Total products per pallet:</b> 18</li> </ul>

## 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>(2b)</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>(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>(6a)</sup> DVD-Writer does not support DVD RAM. Don't copy copyright protected materials. <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>(10)</sup> Internet access required and not included. <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>(17)</sup> 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. <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>(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>(27a)</sup> EPEAT® Bronze registered where applicable. EPEAT registration varies by country. See [www.epeat.net](http://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](http://www.hp.com/go/options). <sup>(29)</sup> Actual speeds may vary. <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. 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Performance is sequentially faster (read only) compared to traditional 7,200 rpm HDD. <sup>(62)</sup> ENERGY STAR and the ENERGY STAR mark are registered trademarks owned by the U.S. Environmental Protection Agency. <sup>(68)</sup> Support for CPRM protected DVD-VR discs requires a free app update from Windows Store. <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>(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. <sup>(87)</sup> HyperX is a registered trademark of Kingston Technology Corporation. Actual product may vary from image shown on datasheet. © Copyright 2019 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 property of their respective owners. 08/09\_r1 jr

