

# OMEN X Compact Desktop P1000-010



## Play your way

Play your favorite PC games the way you want to play them. The OMEN X Compact Desktop is your gateway to freedom with three diverse game modes.<sup>(77)</sup> Easily move from your desktop, to the couch, all the way to immersive VR with this power packed, adaptable desktop that opens the world of gaming.

## Product overview

- **Liberate your game:** Play at your desk, or on the couch—it's up to you.<sup>(77)</sup> With the unique docking station and integrated rechargeable battery, you're no longer tied down.
- **Unleash the beast:** Take over the game, even in the heat of battle. Includes an Intel® Core™ processor (K series), unlocked for overclocking,<sup>(17)</sup> and factory-overclocked NVIDIA® GeForce® GTX 1080 graphics. And with an advanced thermal solution, your critical components stay cool.
- **Virtual reality. Real freedom.** Possess the power to run even the most demanding VR games and experience fully immersive, tether-free VR gaming. And with the DTS Headphone:X jack delivering true-to-life surround sound, you'll feel like you're right on the frontline.<sup>(73)(77)</sup>

## Key specifications

- **Operating system:** Windows 10 Home<sup>(41)</sup>
- **Processor:** 7th generation Intel® Core™ i7-7820HK processor<sup>(26)</sup>
- **Memory:** 16 GB DDR4-2400 SDRAM memory<sup>(3)</sup> (2x8 GB)
- **Solid state drive:** 1 TB PCIe® NVMe™ M.2 Solid State Drive<sup>(15)</sup>
- **Graphics:** Factory-Overclocked NVIDIA® GeForce® GTX 1080 graphics with 8 GB GDDR5X dedicated memory<sup>(13)</sup>
- **USB ports:** 11 (9 x 3.0, 1 x Thunderbolt™ 3, 1 x 3.1 Type-C™<sup>(42)</sup>)
- **Wireless:** Wireless LAN 802.11 a/b/g/n/ac (2x2) and Bluetooth® 4.2 M.2<sup>(19a)(25)</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>
- **Factory-overclocked NVIDIA® GeForce® GTX 1080:** Fueled by ultra-fast FinFET and high-bandwidth GDDR5X technologies, get clock frequencies up to 1771 MHz.<sup>(67)</sup>
- **Intel® Core™ processor (K-Series):** Game, stream, and edit videos with exceptional power.
- **Overclocking capability:** Boost your gaming performance with turbocharged processor speeds.<sup>(17)</sup>
- **OMEN Command Center:** Fine tune your battlestation with an intuitive interface for safely overclocking your CPU, customizing the RGB lighting, and optimizing your gaming network.<sup>(17)</sup>
- **DTS Headphone:X technology:** Produces spatially accurate 3D sound through any headphones for immersive sound quality.<sup>(47)</sup>
- **DDR4 RAM:** With its higher bandwidth, everything from multi-tasking to playing games gets a performance boost.
- **PCIe SSD storage:** PCIe solid state storage with up to 17x faster performance than a traditional desktop hard drive.<sup>(58)</sup>
- **USB 3.0 connectors:** Easily connect any of your existing USB devices and transfer data ten times faster than USB 2.0.
- **Mini DisplayPort:** Transmit audio and up to 4K video from your most portable devices.<sup>(37)</sup>
- **USB-C™ Thunderbolt™ 3:** Charge, connect a display, or transfer data at a blazing 40Gbs.<sup>(41)(42)</sup>
- **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)(25)</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 1-year McAfee LiveSafe™ subscription.<sup>(68)</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 that meets strict energy-efficiency and helps reduce your carbon footprint.

- ENERGY STAR® certified<sup>(62)</sup>
- EPEAT® Silver registered<sup>(27)</sup>
- 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>(10)</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>(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>(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>



## Specifications

<b>Operating system</b>	• Windows 10 Home <sup>(1)</sup>
<b>Processor</b>	• 7th generation Intel® Core™ i7-7820HK processor <sup>(2b)</sup> • Quad-Core
<b>Processor speed</b>	• 2.90GHz <sup>(2b)</sup>
<b>Cache</b>	• 8 MB Cache
<b>Memory</b>	• 16 GB DDR4-2400 SDRAM memory <sup>(3)</sup> (2x8 GB) (expandable to 32 GB unbuffered with 16 GB DIMMs)
<b>Solid-state drive</b>	• 1 TB PCIe® NVMe™ M.2 Solid State Drive <sup>(15)</sup>
<b>Finish</b>	• HP finish in jet black
<b>Video graphics</b>	• Factory-Overclocked NVIDIA® GeForce® GTX 1080 graphics with 8 GB GDDR5X dedicated memory <sup>(13)</sup>
<b>Wireless connectivity</b>	• Wireless LAN 802.11a/b/g/n/ac (2x2) and Bluetooth® 4.2 M.2 <sup>(19a)(26)</sup>
<b>Memory slots</b>	• 2 DDR4 DIMM (SODIMM) (occupied)
<b>Expansion slots</b>	• On board design (PCI-E x4, PCI-E x1, PCI-E x16) • 2 M.2 (occupied)
<b>External ports</b>	• Headphone/Microphone Combo (DTS Headphone:X® Enabled <sup>(47)(49a)</sup> ) • Top I/O: 2 USB 3.0, 1 Thunderbolt™ 3 (Data up to 40Gb/s, Power Delivery, DisplayPort 1.2) <sup>(41)</sup> , Mini DisplayPort, HDMI Out • Side I/O: 2 USB 3.0 • Docking Station: 5 USB 3.0, 1 USB 3.1 Type-C™ <sup>(42)</sup> , HDMI, DisplayPort, RJ45
<b>Multi-display capable</b>	• NVIDIA® Surround™ multi-display technology, support for Microsoft® DirectX® 12 <sup>(13)</sup>
<b>Accessories</b>	• 1 internal battery pack (55 W)
<b>Power supply</b>	• 330 W active PFC Smart AC power adapter
<b>Dimensions</b>	• <b>Unpackaged PC:</b> 9.02 in (L) x 2.39 in (W) x 13.07 in (H) approx. • <b>Unpackaged Docking Station:</b> 5.08 in (L) x 2.92 in (W) x 11.92 in (H) approx. • <b>Packaged:</b> 16.18 in (L) x 12.87 in (W) x 9.07 in (H) approx.
<b>Weight</b>	• <b>Unpackaged PC:</b> 5.51 lb • <b>Unpackaged Docking Station:</b> 2.76 lb • <b>Packaged:</b> 8.66 lb approx.
<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> • 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. 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Portion of internal storage is reserved for preloaded content. <sup>(8)</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>(9)</sup> Based on HP internal testing with MP4 playing, clamshell mode, 3 meter distance from wireless access point. Actual results may vary. <sup>(10)</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>(11)</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>(12)</sup> Bluetooth® is a trademark owned by its proprietor and used by HP Inc. under license. <sup>(13)</sup> EPEAT® Silver registered where applicable. EPEAT registration varies by country. See [www.epeat.net](http://www.epeat.net) for registration status by country. 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>(14)</sup> Ultra High-definition (UHD) content required to view UHD images. <sup>(15)</sup> Transfer rate may vary. All performance specifications provided the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower. <sup>(16)</sup> USB Type-C™ and USB-C™ are trademarks of USB Implementers Forum. <sup>(17)</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>(18)</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>(19)</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>(20)</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>(21)</sup> Internet connection required for updating and connecting to HP Support. <sup>(22)</sup> Based on HP internal testing using CrystalDiskMark benchmarking software. Performance is sequentially faster (read only) compared to traditional 5,400 rpm HDD. <sup>(23)</sup> ENERGY STAR and the ENERGY STAR mark are registered trademarks owned by the U.S. Environmental Protection Agency. <sup>(24)</sup> Designation based on actions to reduce transportation-related emissions. <sup>(25)</sup> Internet service required and not included. Click the Office icon for more details on the Office product that is right for you. Optional features sold separately or as add-on features. <sup>(26)</sup> Performance and boost clock frequency will vary depending on application workload and your hardware and software configurations. <sup>(27)</sup> Minimum Intel® Core™ i5 and 8GB RAM with VR-capable components required for VR functionality. <sup>(28)</sup> May require additional accessories or 3rd party gaming software to provide the described functionality. <sup>(29)</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>(30)</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 on datasheet. © Copyright 2017 HP Development Company, L.P. The information contained herein is subject to change without notice. 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## Software

<b>HP help and support</b>	• <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. • <b>HP Support Assistant:</b> Help with your HP PC and printers whenever you need it. <sup>(56)(57)</sup>
<b>Books, music, photos and videos</b>	• <b>DTS Headphone:X®:</b> Produces spatially accurate 3D sound through any headphones for immersive sound quality. <sup>(47)(49a)</sup> • <b>Netflix:</b> Watch movies and TV online with subscription. <sup>(10)</sup>
<b>Productivity and tools</b>	• <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> • <b>HP Recovery Manager:</b> Recover, restore, and create recovery media for your PC. • <b>Meet the new Office:</b> The most powerful Office yet. Your content when and where you need it. <sup>(64)</sup> • <b>OMEN Command Center:</b> Included software delivers easy-to-use overclocking, RGB lighting control, and optimizes your network performance. <sup>(17)</sup>
<b>Security and protection</b>	• <b>McAfee LiveSafe™:</b> Free 1-year subscription of McAfee LiveSafe™ service included. McAfee LiveSafe service enriches your digital life by protecting your data, identity and all your devices so you can connect with confidence. <sup>(6b)</sup>

## Additional information

<b>Product number</b>	• Z5N35AA#ABA
<b>Ad embargo date</b>	• 08/28/2017
<b>UPC code</b>	• 190781959120
<b>Country of origin</b>	• China
<b>Tariff number</b>	• 8471500085
<b>Pallet information</b>	• <b>Dimensions:</b> 47.24 in (L/D) x 39.37 in (W) x 86.79 in (H) approx. • <b>Total weight:</b> 655.51 lb approx. • <b>Layers:</b> 9 • <b>Products per layer:</b> 8 • <b>Total products per pallet:</b> 72

