**OMEN Desktop 880-021**

**UNLEASH ABSOLUTE FURY**

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**
- Geared for the endgame: Weld earth-shattering power with NVIDIA® GeForce® GTX graphics and an unlocked AMD processor.
- Stay cool under pressure: All-around edge vents, and two 120mm fans spell game over for overheating.
- Levels up with you: Infinite potential begins with tool-less access and easy upgradability.

**Key specifications**
- **Operating system:** Windows 10 Home
- **Processor:** AMD Ryzen™ 5 1400 Processor
- **Memory:** 8 GB DDR4-2400 SDRAM memory (1x8 GB)
- **Hard drive:** 1 TB 7200RPM SATA hard drive
- **Solid state drive:** 128 GB PCIe® NVMe™ M.2 Solid State Drive
- **Graphics:** NVIDIA® GeForce® GTX 1060 graphics card with 3 GB GDDR5 dedicated memory
- **Mouse and keyboard:** HP USB wired keyboard with volume control and wired optical mouse
- **USB ports:** 10 (2 x 2.0, 6 x 3.0, 2 x 3.0 Type-C™)
- **Optical drive:** DVD-Writer
- **Wireless:** Intel® Wireless LAN 802.11a/b/g/n/ac (2x2) and Bluetooth® 4.2 M.2
- **Graphics:** 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.
- **AMD Ryzen™ 5 processor:** Tap into truly awesome desktop performance. Up to 6 cores, 12 threads, and a revolutionary new architecture combine for a CPU that easily handles AAA games, no matter how demanding.
- **Overclocking capability:** Boost your gaming performance with turbocharged processor speeds.
- **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.
- **DTS Headphone: X™ technology:** Produces spatially accurate 3D sound through any headphones for immersive sound quality.
- **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.

**Product features**
- **Windows 10 Home:** Do great things confidently with the familiar feel of Windows – only better.
- **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.
- **Overclocking capability:** Boost your gaming performance with turbocharged processor speeds.
- **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.
- **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**
  - **EFESA® Silver registered**
  - **All HP computing products are delivered by SmartWay carriers.**
  - **Recycled Packaging:** Count on easy recycling every time. HP designs products and packaging that can be conveniently recycled or reused.

**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 - HPUSA:** Optimized to enhance your support experience. Help for your PC and HP printers whenever you need it.
- **Online Support:** For technical support with this product, visit HP Customer Support http://support.hp.com.
- **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.

**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**
- **EFESA® Silver registered**
- **All HP computing products are delivered by SmartWay carriers.**
- **Recycled Packaging:** Count on easy recycling every time. HP designs products and packaging that can be conveniently recycled or reused.

**Product features**
- **Windows 10 Home:** Do great things confidently with the familiar feel of Windows – only better.
- **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.
- **Overclocking capability:** Boost your gaming performance with turbocharged processor speeds.
- **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.
- **DTS Headphone: X™ technology:** Produces spatially accurate 3D sound through any headphones for immersive sound quality.
- **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.
- **Hard drive storage:** Grow your digital collections and still have room left over.
- **PCIe SSD storage:** PCIe solid state storage with up to 17x faster performance than a traditional desktop hard drive.
- **DDR4 RAM:** With its higher bandwidth, everything from multi-tasking to playing games gets a performance boost.
- **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 802.11a/b/g/n/ac Wi-Fi adapter and Bluetooth® 4.2, all your connections are rock solid and up to 6 times faster than 802.11e.

**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 - HPUSA:** Optimized to enhance your support experience. Help for your PC and HP printers whenever you need it.
- **Online Support:** For technical support with this product, visit HP Customer Support http://support.hp.com.
- **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.

**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**
- **EFESA® Silver registered**
- **All HP computing products are delivered by SmartWay carriers.**
- **Recycled Packaging:** Count on easy recycling every time. HP designs products and packaging that can be conveniently recycled or reused.

**Product features**
- **Windows 10 Home:** Do great things confidently with the familiar feel of Windows – only better.
- **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.
- **Overclocking capability:** Boost your gaming performance with turbocharged processor speeds.
- **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.
- **DTS Headphone: X™ technology:** Produces spatially accurate 3D sound through any headphones for immersive sound quality.
- **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.
- **Hard drive storage:** Grow your digital collections and still have room left over.
- **PCIe SSD storage:** PCIe solid state storage with up to 17x faster performance than a traditional desktop hard drive.
- **DDR4 RAM:** With its higher bandwidth, everything from multi-tasking to playing games gets a performance boost.
- **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 802.11a/b/g/n/ac Wi-Fi adapter and Bluetooth® 4.2, all your connections are rock solid and up to 6 times faster than 802.11e.
## Specifications

<table>
<thead>
<tr>
<th>Operating system</th>
<th>Windows 10 Home†</th>
</tr>
</thead>
<tbody>
<tr>
<td>Processor</td>
<td>AMD Ryzen™ 5 1400 Processor†</td>
</tr>
<tr>
<td>Memory</td>
<td>8 GB DDR4-2400 SDRAM memory† (1x8 GB) (expandable to 32 GB unbuffered with 16 GB DIMMs)</td>
</tr>
<tr>
<td>Hard drive</td>
<td>1 TB 7200RPM SATA hard drive†</td>
</tr>
<tr>
<td>Solid-state drive</td>
<td>128 GB PCIe® NVMe™ M.2 M.2 Solid State Drive†</td>
</tr>
<tr>
<td>Processor speed</td>
<td>3.20 GHz†</td>
</tr>
<tr>
<td>Cache</td>
<td>10 MB Cache</td>
</tr>
<tr>
<td>Optical drive</td>
<td>DVD-Writer†</td>
</tr>
<tr>
<td>Wireless connectivity</td>
<td>Intel® Wireless LAN 802.11a/b/g/n/ac (2x2) and Bluetooth® 4.2 M.2 PCIe® [30][34]</td>
</tr>
<tr>
<td>Memory slots</td>
<td>4 DDR4 DIMM (288-pin) (three available)</td>
</tr>
<tr>
<td>Expansion slots</td>
<td>1 PCI-E x16 (occupied)</td>
</tr>
<tr>
<td>Expansion bays</td>
<td>HDD: 3.35” (two available)</td>
</tr>
<tr>
<td>Memory card reader</td>
<td>HP 3-in-1 Media Card Reader—Supports SD, SDHC, SDXC.</td>
</tr>
<tr>
<td>External ports</td>
<td>DVI, DisplayPort and HDMI capabilities, NVIDIA® Surround™ multi-display technology, support for Microsoft® DirectX® 12† [33][38]</td>
</tr>
<tr>
<td>Multi-display capable</td>
<td>DVI, DisplayPort and HDMI capabilities, NVIDIA® Surround™ multi-display technology, support for Microsoft® DirectX® 12† [33][38]</td>
</tr>
<tr>
<td>Mouse and keyboard</td>
<td>HP USB wired keyboard with volume control and wired optical mouse</td>
</tr>
<tr>
<td>Power supply</td>
<td>500 W Bronze efficiency power supply</td>
</tr>
<tr>
<td>Dimensions</td>
<td>Unpackaged: 17.41 in (L) x 7.56 in (W) x 16.43 in (H) approx.</td>
</tr>
<tr>
<td>Weight</td>
<td>Unpackaged: 42.30 lb approx.</td>
</tr>
</tbody>
</table>

### Warranty and support
- 1-year limited hardware warranty. Additional information available at www.support.hp.com
- 90 days limited technical support for software and initial setup (from date of purchase)†[58]

### Software
- **HP help and support:** HP Support Assistant: Help with your HP PC and printers whenever you need it.†[105]
- **Books, music, photos and videos:** CyberLink Power Media Player: Universal media player with enhanced playback quality. DTS Headphone:X®: Produces spatially accurate 3D sound through any headphones for immersive sound quality.†[102][104]
- **Productivity and tools:** OMEN Command Center: Included software delivers easy-to-use overclocking and optimizes your network performance.†[17]
- **Meet the new Office:** The most powerful Office yet. Your content when and where you need it.†[34]
- **HP Recovery Manager:** Recover, restore, and create recovery media for your PC.

### Additional information
<table>
<thead>
<tr>
<th>Product number</th>
<th>Z5N343AA#ABA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ad embargo date</td>
<td>07/23/2017</td>
</tr>
<tr>
<td>UPC code</td>
<td>190781995722</td>
</tr>
<tr>
<td>Country of origin</td>
<td>China</td>
</tr>
<tr>
<td>Tariff number</td>
<td>8471500885</td>
</tr>
</tbody>
</table>

### Pallet information
- Dimensions: 47.24 in (L/D) x 39.37 in (W) x 70.28 in (H) approx.
- Total weight: 97.31 lb approx.
- Layers: 3
- Products per layer: 6
- Total products per pallet: 18

---

† 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/windowsWindows10-update What you need for updates. See http://www.microsoft.com/windowsWindows10-update What you need for updates.

‡ Specifications vary by country. See www.epeat.net for registration status by country.

§ DTS® and the DTS® logo are registered trademarks of DTS, Inc. ("DTS"). Additional information at www.dts.com

∥ Additional information at www.dts.com

** Additional information at www.dts.com

†† Additional information at www.dts.com

‡‡ Additional information at www.dts.com

### Learn more at hp.com

[10] All products may vary from image shown on datasheet. © 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 property of their respective owners. OS/10/3 y