

ProductSheet

# OMEN by HP 31.5 inch QHD 165Hz Curved Gaming Monitor - OMEN 32c (780K6AA)



## TAKE YOUR FUN UP A NOTCH

Reach new possibilities with the OMEN by HP 31.5-inch QHD 165Hz Curved Gaming Monitor. Quick performance and vibrant color let you get lost in the games you love most, while the sleek design functions to look and feel great on your desk.



### NO LAG. ALL SPEED.

Frame by frame, experience all the action with no distractions. To keep things smooth, this display boasts a fast 165Hz refresh rate to cut motion blur<sup>[1]</sup>, so every pixel keeps up with you. Leave screen tearing and lag in the dust, thanks to AMD FreeSync™ Premium technology<sup>[2]</sup>.

### SEE A WORLD YOU CAN STEP INTO

Mistake virtual for IRL in the immersive 1500R curve and crisp visuals of QHD resolution<sup>[3]</sup>. For lifelike gameplay, escape into a wide array of vibrant colors, hues, and shades with 99% sRGB and 90% DCI-P3 color gamut<sup>[1]</sup>. Even in shadow, easily make out details and shading with HDR and up to 400 nits of brightness<sup>[1]</sup>.

### REFINE YOUR PLAY SPACE

Made to impress in and out of game, the new OMEN look blends sophistication and fun to elevate what a gaming setup can look like. It's equipped with ports perfect for connecting your gaming PC, console, and even a work PC. Thanks to the easy cable management and the fully adjustable stand, your desk will be just how you like it.

## Featuring

### QHD Display

Get lost in the captivating definition and sharp details of 3.7 million pixels. 2560 x 1440 Quad HD resolution transforms all your content for a remarkable entertainment experience on this 31.5" diagonal monitor. <sup>[3]</sup>

### 165Hz refresh rate

Crisp action and responsive gameplay with virtually no artifacting or screen tearing. <sup>[1]</sup>

### HDR

Explore new worlds with richer colors thanks to a peak brightness of 400 nits.

### More Colors to Play With

Get deeper hues and a wide array of colors with 99% sRGB and 90% DCI-P3 for precisely recreated colors so lifelike you get lost in your gameplay. <sup>[1]</sup>

### 1ms Response Time with Overdrive

Eliminates motion blur for crisp, fluid gameplay no matter what's happening on-screen. <sup>[1]</sup>

## Specifications

|  |  |
|--|--|
| <b>Display size (diagonal)</b>             | 31.5"  |
| <b>Panel technology</b>                    | VA   |
| <b>Display size (diagonal)</b>             | 80 cm (31.5")  |
| <b>Aspect ratio</b>                        | 16:9 <sup>[1]</sup>  |
| <b>Native resolution</b>                   | QHD (2560 x 1440) <sup>[1,2]</sup>   |
| <b>Resolutions supported</b>               | 640 x 480; 720 x 400; 800 x 600; 1024 x 768; 1280 x 720; 1280 x 800; 1280 x 1024; 1440 x 900; 1600 x 900; 1680 x 1050; 1920 x 1080; 1920 x 1200; 2560 x 1440   |
| <b>Pixel pitch</b>                         | 0.27 x 0.27 mm   |
| <b>Brightness</b>                          | 400 nits <sup>[1]</sup>  |
| <b>Contrast ratio</b>                      | 3000:1 <sup>[1]</sup>  |
| <b>Response time (typical)</b>             | 1ms GtG (with overdrive)   |
| <b>Minimum dimensions (W x D x H)</b>      | 70.86 x 9.82 x 42.38 cm<br>(without stand)   |
| <b>Minimum dimensions (W x D x H)</b>      | 27.9 x 3.87 x 16.69 in<br>(without stand)  |
| <b>Dimensions With Stand (W x D x H)</b>   | 70.86 x 24.33 x 61.26 cm   |
| <b>Weight</b>                              | 10.38 kg<br>(with stand)   |
| <b>Weight</b>                              | 22.88 lb<br>(with stand)   |
| <b>Display features</b>                    | On-screen controls; Anti-glare; 1500R curvature; Height adjustable; AMD Freesync™ Premium; Gaming Console Compatible; HP Eye Ease (Eyesafe® certified)   |
| <b>Onscreen controls</b>                   | Management; Information; Exit; Input; Color; Image; Power; Menu; Gaming  |
| <b>Display colors</b>                      | Up to 16.7 million colors supported  |
| <b>Display scan frequency (horizontal)</b> | 30-255 kHz   |
| <b>Display scan frequency (vertical)</b>   | 60-165 Hz (DisplayPort™); 55-144 Hz (HDMI)   |
| <b>Power</b>                               | 100 - 240 VAC 50/60 Hz   |
| <b>Power consumption</b>                   | 90 W (maximum), 76 W (typical), 0.5 W (standby)  |
| <b>Operating temperature range</b>         | 5 to 35°C  |
| <b>Operating humidity range</b>            | 20 to 80% RH   |
| <b>Sustainable impact specifications</b>   | Low Halogen; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; Outside box and corrugated cushions are 100% sustainably sourced and recyclable; 85% ITE-derived closed loop plastic   |
| <b>Certifications and compliances</b>      | BIS; BSMI; CB; CCC; CE; CEL; CSA; EAC; FCC; ISO 9241-307; KC/KCC; Microsoft WHQL Certification; NOM; PSB; TUV Bauart; TUV LBL; VCCI; WEEE; ISC; California Energy Commission (CEC); WW application; ICE; Ukraine certificates; TÜV Flicker free certified; UAE safety; UAE RoHS; South Africa safety |
| <b>Physical security</b>                   | None   |
| <b>Management Software</b>                 | OMEN Gaming Hub  |
| <b>UPC number</b>                          | (A2N) 197029618214; (ABA) 197029618238; (ABB) 197029618252; (ABT) 197029618269; (ABU) 197029618290; (ABV) 197029618313; (AC8) 197029618337; (ACQ) 197029618351; (AKH) 197029618375; (UUG) 197029618399; (UUZ) 197029618405   |
| <b>What's in the box</b>                   | Monitor; DisplayPort™ cable; Warranty card; Quick Setup Poster; AC power cord <sup>[7]</sup>   |

## Top Recommended Displays, Accessories and Services

No Top Recommended Displays, Accessories and Services

## Messaging Footnotes

[1] All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary, either higher or lower.

[2] Requires a monitor and AMD Radeon™ graphics, both with FreeSync Premium support. AMD FreeSync™ Premium requires mandatory low framerate compensation and at least 120 Hz refresh rate at minimum FHD. See [www.amd.com/freesync](http://www.amd.com/freesync) for complete details. Confirm capability with your system manufacturer before purchase. GD-161.

[3] Quad high-definition (QHD) content required to view QHD images.

## Technical Specifications Footnotes

[1] All specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.

[2] DisplayPort™ 1.4 or HDMI 2.0 required to drive panel at its native resolution. The video card of the connected PC must be capable of supporting 2560 x 1440 at 60 Hz with 8-bit color using one DisplayPort™, HDMI. The video card of the connected PC must be capable of supporting 2560 x 1440 and include one DisplayPort™ or one HDMI outputs to drive the monitor at the Preferred Mode.

[7] Included cables may vary by country.

---

© Copyright 2023 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 herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

DisplayPort™ is a trademark owned by the Video Electronics Standards Association (VESA®) in the United States and other countries. USB Type-C® and USB-C® are registered trademarks of USB Implementers Forum. Microsoft, Encarta, MSN, and Windows are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.

