Datasheet

# HyperX OMEN 34 inch WQHD 200Hz Curved Gaming Monitor - OMEN 34c G3

## Wrapped in the Zone

There's nothing better than feeling closer to the action. The HyperX OMEN 34c G3 Gaming Curved Monitor brings more of the game into view, while the 200 Hz refresh rate keeps every movement fluid and precise[1]. Fine-tune settings with OMEN Gaming Hub and use OMEN AI to get personalized recommendations for the best possible FPS, all with minimal hassle[2].




*Product image may differ from actual product

### All eyes here

More happens beyond the center of the screen. HyperX OMEN 34c G3 ultrawide screen lets you see more of every world and comes factory calibrated with visuals that stay true to life throughout every game[1]. Thanks to HP Eye Ease with the Eyesafe® Certification, the 34c G3 makes extended screen time more comfortable with reduced blue light.

### Frames where it counts

When things move fast, HyperX OMEN 34c G3 brings every move into view. Catch every opening with 200 Hz refresh rate and 1ms response time and thanks to OMEN AI, you can personalize your settings for the best possible FPS[1]. While AMD FreeSync™ compatibility keeps frames synced and reduces stutter[3].

### Set your perfect view

Getting your setup just right is simple with the HyperX OMEN 34c G3. Find your ideal angle with height, swivel, tilt adjustments, and connect your devices with built-in ports. With OMEN Gaming Hub, create profiles and fine-tune settings to match your style[2].

## Sustainability in action

Designed with Purpose

This gaming monitor is thoughtfully designed with at least 85% post-consumer recycled plastic content in monitor's enclosure[4], contains 20% recycled glass in monitor's panel[5] and packaging with certified or recycled sources of paper[6].

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## Featuring

**WQHD & 34"**
Give all your entertainment a new level of immersion with impressive 3440 x 1440 resolution. This 34" diagonal curved display surrounds you with 4.9 million pixels for captivating definition and sharp details across a 21:9 aspect ratio.[7]

**1500R Curvature**
By bringing the sides of the display closer, the curved screen provides an immersive gaming experience with a panoramic field of view that wraps around peripheral vision.

**200 Hz Refresh Rate**
For crisp action and responsive gameplay, this fast refresh rate practically removes all artifacting and motion blurring.[1]

**1ms GtG Response Time**
How fast your pixels can react to changing frames is critical for fast-paced gaming, and a 1ms GTG response time ensures even the most action-packed moments are fluid, crisp, and free of motion blur.[1]

**AMD FreeSync™ Technology**
AMD FreeSync keeps frames in sync to eliminate tearing and reduce stutter, so gameplay stays smooth when it matters most.[3]

**VESA ClearMR**
Clear Motion Ratio (CMR), provides a clear numerical value based on the ratio of clear pixels to blurry pixels, which allows you to easily compare the amount of motion blur between VESA Certified ClearMR displays.[8]

**4000:1 Contrast Ratio**
Experience amazing clarity delivered by a 4000:1 contrast ratio for deeper blacks, brighter whites, and crisper colors.[1]

**99% sRGB**
Get deeper hues and a wide array of colors with 99% sRGB for precisely recreated colors so lifelike you get lost in your gameplay.[1]

**Factory Color Calibration**
Fuel your creativity with a monitor that supports your vision, with Factory Color Calibration for color accuracy, so you can see your games the way the devs intended.[1]

**Plenty of ports**
Easily connect to your gaming and work PCs, console, and headset with two HDMI 2.1 ports, one DisplayPort™ 1.4, 2 USB-A, USB-B, and one 3.5 mm headphone jack.

**Adjustable stand**
Make your desk just how you like it with the adjustable stand. Find comfort while you game with tilt, swivel and 100 mm height adjustments.

**Joystick OSD Button**
In the middle of gameplay, it's never been easier to configure your display settings right from the monitor. Quickly navigate the on-screen menu with the OSD button to adjust brightness, contrast ratio, and color.

**Integrated Cable Management**
Cord and wire pass-through located on the display stand reduces cord-clutter and helps keep your workspace clean and organized.

**HP Eye Ease with Eyesafe® Certification**
Built right into the display, with no need to adjust settings or worry about a compromised color experience, HP Eye Ease with Eyesafe® Certification provides beautiful color while reducing blue light to keep your screentime comfortable.

**OMEN AI**
OMEN AI provides personalized settings tailored to your unique hardware and games, eliminating the guesswork so you can focus on what matters most, gaming.

**OMEN Gaming Hub**
OMEN Gaming Hub is your one place for everything to make your gaming experience better. Enjoy software enhancements to hardware control, and live services.[2]

**Compatible with Consoles**
This gaming monitor underwent over 140 test cases to ensure it's compatible with your choice of console. Just connect the HDMI and get right to playing.

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## Specifications

### Display specifications

| | |
|---|---|
| Display size | 86.4 cm (34")[1] |
| Viewable diagonal size | 34.03" (86.44 cm) |
| Aspect ratio | 21:9[1] |
| Curvature | 1500R |
| Native resolution | WQHD (3440 x 1440)[1,2] |
| Resolution (maximum) | WQHD (3440 x 1440 @ 200 Hz)[1] |
| Resolutions supported | 640 x 480 @ 60 Hz; 640 x 480 @ 75 Hz; 720 x 400 @ 70 Hz; 800 x 600 @ 60 Hz; 800 x 600 @ 75 Hz; 1024 x 768 @ 60 Hz; 1024 x 768 @ 75 Hz; 1280 x 720 @ 60 Hz; 1280 x 800 @ 60 Hz; 1280 x 1024 @ 60 Hz; 1280 x 1024 @ 75 Hz; 1600 x 900 @ 60 Hz; 1680 x 1050 @ 60 Hz; 1920 x 1080 @ 60 Hz; 1920 x 1200 @ 60 Hz; 2560 x 1440 @ 60 Hz; 2560 x 1440 @ 120 Hz; 3440 x 1440 @ 60 Hz; 3440 x 1440 @ 120 Hz; 3440 x 1440 @ 144 Hz; 2560 x 1440 @ 200 Hz |
| Panel type | VA; LED[1] |
| Bezel | 3-sided borderless |
| Panel active area | 79.72 × 33.37 cm |
| Panel bit depth | 8 bit + FRC[1] |
| Display colors | Up to 1.07 billion colors supported[1,7] |
| Display color gamut | 99% sRGB[1] |
| Calibrated color presets | 99% sRGB |
| Color calibration features | Factory color calibration |
| HDR Support | HDR10 |
| Refresh rate (maximum) | 200 Hz[1] |
| Display scan frequency | 50-200 Hz (Vertical)[1]; 30-320 kHz (Horizontal)[1] |
| Response time | 1ms GtG (with overdrive)[1] |
| Brightness | 250 nits[1] |
| Contrast ratio | 4000:1 (Static)[1] 5,000,000:1 (Dynamic)[1] |
| Pixel pitch | 0.2318 × 0.2318 mm[1] |
| Pixels per inch (ppi) | 110 ppi |
| Viewing angle | 178° (Vertical) 178° (Horizontal) |
| Backlight type | Edge-lit |
| Backlight lamp life | 30,000 hours |
| Display User Control Options | Brightness+; Color; Image; Input; Power; Menu; Management; Information; Exit; Gaming; Language |
| Management software | OMEN Gaming Hub |
| User updateable firmware | Yes |
| Low blue light modes | HP Eye Ease (Eyesafe® certified)[1] |
| Flicker-free | Yes |
| Screen treatment | Anti-glare |
| Hardness | 3H[1] |
| Haze | 25% |
| Adjustability | Height adjustment range: 100 mm<br>Tilt: -5 to +20°<br>Swivel: ±30° |
| Camera | No integrated camera |
| Languages | 11 (English, Spanish, German, French, Italian, Dutch-Netherlands, Portuguese, Japanese, T-Chinese, S-Chinese and Russian) |
| Special features | 4K Downscaling for Console HDR Support; AMD FreeSync™ Premium; Gaming Console Compatible; VESA Certified AdaptiveSync; VESA ClearMR 6000 certified[1] |

### Connectivity and communications

| | |
|---|---|
| Port and connectors | 2 HDMI 2.1<br>1 DisplayPort™ 1.4<br>1 x 3.5 mm Audio Jack (Audio Out)<br>2 USB Type-A 5Gbps signaling rate<br>1 USB-B |
| HDCP | Yes, DisplayPort™ and HDMI |
| Power supply | 100 - 240 VAC 50/60 Hz (Internal) |
| Power consumption | 65 W (maximum); 35 W (typical)[5] |

# HyperX OMEN 34 inch WQHD 200Hz Curved Gaming Monitor - OMEN 34c G3

## Specifications

### Appearance

| | |
|---|---|
| Product color | Black |
| Stand color | Black |
| Detachable stand | Yes |
| Base area footprint | 29.5 × 23.8 cm |
| Dimensions without Stand (W x D x H) | 80.97 × 11.09 × 36.84 cm (without stand) |
| Dimensions with stand (W x D x H) | 80.97 × 25.39 × 52.64 cm |
| Weight | 8.93 kg (with stand); 6.5 kg (without stand) |
| Packaged Dimensions (W x D x H) | 97 × 22 × 49 cm |
| Packaged weight | 15.42 kg |

### Certification and compliance

| | |
|---|---|
| Energy efficiency class (SDR) | G   |
| On mode power demand in Standard Dynamic Range (SDR) | 32 W[5] |
| On mode power demand in High Dynamic Range (HDR) mode | 65 W[5] |
| Standby mode power demand | 0.5 W[5] |
| Ecolabels | CEL Grade 2; Korea MEPS; California CEC |
| Sustainable impact specifications | At least 85% post-consumer recycled plastic; Contains 20% recycled glass in the monitor panel; Molded paper pulp cushion and folded corrugated cushion inside box are made of 100% recycled or certified sources; Outside box and corrugated cushions are made of 100% recycled or certified sources[9,10] |
| Certifications | Australian-New Zealand MEPS; BSMI; CB; CCC; CE; CEL; cTUVus; FCC; ISO 9241-307; KC; KCC; MEPS; NOM; RCM; TUV Bauart; VCCI; WEEE; ICE; Korea MEPS; UL |
| Microsoft WHQL certification | Windows 11[6] |
| Environmental | Operating temperature range: 5 to 35°C<br>Non-operating temperature range -20 to 60°C<br>Operating humidity: 20 to 80% RH (non-condensing)<br>Non-operating humidity: 5 - 95%<br>Operating altitude: Up to 5,000 m<br>Non-operating altitude: Up to 12,192 m |

### Additional information

| | |
|---|---|
| Part Number | P/N: DL2G6AA#ABB:; #A2N; #ABT; #ABU; #ABV; #ABY; #ACQ; #UUG; #UUZ; UPC code: (ABB) 826581227083; (ABU) 826581227113 |
| Manufacturer Warranty | 1 year (1/1/0) limited warranty includes 1 year of parts and labor. No on-site repair. Terms and conditions vary by country. Certain restrictions and exclusions apply. [4] |
| What's in the box | Monitor; Warranty card; Quick Setup Poster; Vertical stand; Stand base; USB Type-B to A cable (1.8 m); AC power cable (1.83 m); DisplayPort™ 1.4 cable (1.8 m)[3] |
| Country of origin | Made in China |

### Logistic information

| | |
|---|---|
| Pallet Dimensions (L x W x H) | Slip sheet: 120 x 100 x 197.5 cm (20 ft, 40 ft), 120 x 100 x 246.8 cm (40 HQ)<br>Pallet: 120 x 100 x 210.5 cm (20 ft, 40 ft, 40 HQ) |
| Pallet weight | Slip sheet: 311 kg (20 ft, 40 ft), 388 kg (40 HQ)<br>Pallet: 316 kg (20 ft, 40 ft, 40 HQ) |
| Pallet (layers) | Slip sheet: 4 layers (20 ft, 40 ft), 5 layers (40 HQ); Pallet: 4 layers (20 ft, 40 ft, 40 HQ) |
| Products per layer | 5 |
| Products per pallet | Slip sheet: 20 sets (20 ft, 40 ft), 25 sets (40 HQ); Pallet: 20 sets (20 ft, 40 ft, 40 HQ) |

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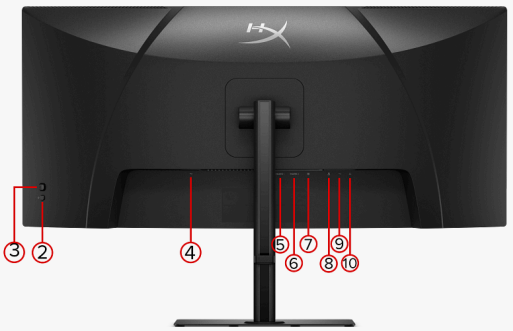
## Product walkaround




1. Power LED




2. Power button
3. Joystick OSD
4. Power connector
5. HDMI 2.1 port
6. HDMI 2.1 port
7. DisplayPort™ 1.4
8. USB-B port
9. 2 x USB Type-A 5Gbps signaling rate
10. 3.5 mm Headphone Jack

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## Footnotes

### 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] Account required for full functionality. See OMEN Gaming Hub terms and conditions. Support level for non-HP products may be subject to change. Some animation effects may consume more CPU resources.
[3] FreeSync™ is an AMD® technology that requires mandatory low framerate compensation and at least 144 Hz refresh rate with <3440 horizontal resolution, AMD Radeon Graphics and/or AMD A-Series APU-compliant monitors with DisplayPort/HDMI Adaptive-Sync required. More information is available at www.amd.com/freesync.
[4] Recycled plastic is expressed as a percentage of the total weight plastic. Post-consumer recycled is based on the definition set in the EPEAT criteria.
[5] Percentage of recycled glass in the monitor panel varies by product. Recycled glass is expressed as a percentage of the total weight of the glass.
[6] Packaging parts contain certified or recycled fibers and are typically recycled in your local paper/carton recycling bin, consult your local guidelines.Recycling facilities not available in all locations.
[7] Ultrawide quad high-definition (WQHD) content is required to view WQHD images.
[8] VESA Certified ClearMR is the high-performance Monitor and Display Compliance Test Specification from VESA that provides a clear numerical value based on the ratio of clear pixels to blurry pixels. See https://www.clearmr.org/ for more details.

### Technical Specifications Footnotes

[1] All performance 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 2.1 required to drive panel at its native resolution. The video card of the connected PC must be capable of supporting 3840 × 2160 at 60 Hz with 8-bit color using one DisplayPort™, HDMI.
[3] Included cables may vary by country.
[4] Please refer to the warranty card supplied with the product for details. Warranty may vary by country as required by law. Go to hp.com/support to learn about HP award winning service and support options in your region.
[5] Maximum brightness and contrast setting with maximum power loading on USB downstream ports (for power consumption maximum); Factory default brightness and contrast setting with 25% power loading on USB downstream ports (for power consumption typical).
[6] 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 is automatically updated and enabled. High speed internet and Microsoft account required. ISP fees may apply and additional requirements may apply over time for updates. See http://www.windows.com.
[7] Number of colors through A-FRC technology.
[8] Host PC requires Windows 10 or above. OMEN Gaming Hub is available on the Microsoft store.
[9] Recycled plastic is expressed as a percentage of the total weight plastic. Post-consumer recycled is based on the definition set in the EPEAT criteria.
[10] Packaging parts contain certified or recycled fibers and are typically recycled in your local paper/carton recycling bin, consult your local guidelines.

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