HyperX OMEN 23.8 inch FHD 180Hz Gaming Monitor - OMEN 24 G2

Level-Up Your Screen Time

Level up with the HyperX OMEN 24 G2. This 23.8-inch 180 Hz FHD gaming monitor delivers smooth, factory color calibrated visuals at 1ms response times in a compact design that fits any setup. Perfect for players looking to jump into the world of gaming monitors with speed, clarity, and reliability.

*Product image may differ from actual product

180Hz

Smooth Scenes All Day

With a snappy 180 Hz refresh rate and 1ms response time, the HyperX OMEN 24 G2 creates smooth visuals for both gaming and media. AMD Freesync Technology also keeps your monitor and GPU in sync to minimize screen tearing and stuttering, keeping you immersed when every frame counts.[1,2,3]

eyesafe | CERTIFIED 2.0

Easy On The Eyes

Lock in with the vibrant tones of a Factory Color Calibrated gaming monitor. With sRGB 99%, the HyperX OMEN 24 G2 produces crisp visuals with vivid detail. Plus, experience reduced eye strain from long sessions with this Eyesafe certified gaming monitor.[2]

OMEN GAMING HUB

Even Better With OMEN Gaming Hub

The HyperX OMEN 24 G2 is even better with OMEN Gaming Hub. The simple-to-use software makes it easy to fine-tune the monitor's settings and you can even create game-specific profiles providing you the right mood for the right moment.[4]

Sustainability in action

We're in this Together

It matters. With 100% recyclable packaging solutions, at least 85% post-consumer recycled plastic in monitor's enclosure, and 20% recycled glass in the monitor panel, we are in this together.[5,6,7]

eyesafe | CERTIFIED 2.0 AMD FreeSync

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Featuring

FHD 23.8" Display
Focus on the finer details and enjoy clear images with a 1920 x 1080 Full HD resolution 23.8" diagonal monitor.[1]

IPS Panel
No matter where you stand, IPS panel delivers clear, vivid images with 178-degree wide-viewing angles, so everyone can get a great view.

180 Hz Refresh Rate
For crisp action and responsive gameplay, this fast refresh rate practically removes all artifacting and motion blurring.[2]

1ms GTG Response Time with Overdrive
How fast your pixels can react to changing frames is critical for fast-paced gaming, and a 1ms GTG response time with Overdrive ensures even the most action-packed moments are fluid, crisp, and free of motion blur.[2]

AMD FreeSync™ Technology
Every gamer deserves perfectly smooth gameplay and peak performance. Game confidently with a high refresh rate, low framerate compensation, and low latency. AMD FreeSync™ certified monitors are here.[3]

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.[2]

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.[2]

Plenty of ports
Easily connect to your gaming and work PCs, console, and headset with two HDMI 2.0 ports, one DisplayPort™ 1.4, and one 3.5 mm headphone jack.[8]

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

Effortless Joypad 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 joypad 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 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.[4]

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	60.5 cm (23.8")
Viewable diagonal size	23.8" (60.47 cm)
Aspect ratio	16:9[1]
Curvature	Flat
Native resolution	FHD (1920 x 1080)[1,2]
Resolution (maximum)	FHD (1920 x 1080 @ 180 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; 1280 x 720 @ 60 Hz; 1280 x 1024 @ 60 Hz; 1440 x 900 @ 60 Hz; 1600 x 900 @ 60 Hz; 1680 x 1050 @ 60 Hz; 1920 x 1080 @ 60 Hz; 1920 x 1080 @ 100 Hz; 1920 x 1080 @ 120 Hz; 1280 x 1024 @ 75 Hz; 1024 x 768 @ 75 Hz; 1280 x 800 @ 60 Hz; 1920 x 1080 @ 180 Hz
Panel type	IPS; LED
Bezel	3-sided borderless
Panel active area	52.70 x 29.65 cm
Panel bit depth	6 bit + FRC[1]
Display colors	Up to 16.7 million colors supported[1]
Display color gamut	99% sRGB[1,3]
Calibrated color presets	99% sRGB[1]
Refresh rate (maximum)	180 Hz[1]
Display scan frequency	48-180 Hz (Vertical)[1]; 30-213 kHz (Horizontal)[1]
Response time	1ms GtG (with overdrive)[1]
Brightness	300 nits[1]
Contrast ratio	1000:1 (Static)[1] 10,000,000:1 (Dynamic)[1]
Pixel pitch	0.2745 x 0.2745 mm[1]
Pixels per inch (ppi)	93 ppi
Viewing angle	178° (Vertical) 178° (Horizontal)
Backlight type	Edge-lit
Backlight lamp life	30,000 hours
Display User Control Options	Color; Image; Input; Power; Menu; Management; Information; Exit; Gaming
Management software	OMEN Gaming Hub
User updateable firmware	No
Low blue light modes	HP Eye Ease (Eyesafe® and TÜV certified)[1]
Flicker-free	Yes (TÜV certified)
Screen treatment	Anti-glare
Hardness	3H[1]
Haze	25%
VESA mount	100 x 100 mm
Adjustability	Height adjustment range: 100 mm Tilt: -5 to +23° Pivot: ±90°
Camera	No integrated camera
Languages	11 (English, Spanish, German, French, Italian, Dutch-Netherlands, Portuguese, Japanese, T-Chinese, S-Chinese and Russian)

Connectivity and communications

Port and connectors	2 HDMI 2.0 1 DisplayPort™ 1.4 1 x 3.5 mm Audio Jack (Audio Out)
HDCP	Yes, DisplayPort™ and HDMI
Power supply	100 - 240 VAC 50/60 Hz (Internal)
Power consumption	23 W (maximum); 17 W (typical)[6]

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Specifications

Appearance

Stand color	Black
Detachable stand	Yes
Physical security	None
Base area footprint	20 x 19.83 cm
Dimensions without Stand (W x D x H)	54 x 5.41 x 32.5 cm (without stand)
Dimensions with stand (W x D x H)	54 x 19.83 x 46.92 cm
Weight	3.4 kg (without stand); 5.3 kg (with stand)
Packaged Dimensions (W x D x H)	59.5 x 16.4 x 40.7 cm
Packaged weight	7.6 kg

Certification and compliance

Energy efficiency class	E
On mode power demand in Standard Dynamic Range (SDR)	16 W[7]
Standby mode power demand	0.5 W[7]
Ecolabels	CECP; CEL Grade 2; Ukraine EE; Korea MEPS; California CEC
Sustainable impact specifications	Low halogen; 85% post-consumer recycled plastic in the monitor's enclosure; Contains 20% recycled glass in the monitor panel; At least 90% recycled aluminum in the stand[10,11,12,13]
Certifications	Argentina S-Mark; Australian-New Zealand MEPS; BIS; BSMI; CB; CCC; CE; cTUVus; EAC; FCC; ISO 9241-307; KC; KCC; NOM; PSB; TUV Bauart; VCCI; WEEE; TÜV Low Blue Light Hardware Solution certified; UAE safety; UAE RoHS; South Africa safety; Ukraine safety; Australian-New Zealand DoC; Australia GEMS/MEPS regulator certificate; Flicker free
Microsoft WHQL certification	Windows 11; Windows 10[9]
Environmental	Operating temperature range: 5 to 35°C Non-operating temperature range -40 to 65°C Operating humidity: 20 to 80% RH (non-condensing) Non-operating humidity: 5 - 95% Operating altitude: Up to 5,000 m Non-operating altitude: Up to 12,192 m

Additional information

Part Number	P/N: C2JP4E9#ABB:; #A2N; #ABT; #ABU; #ABV; #ABY; #ACQ; #UUG; #UUZ; UPC code: 199485355733
Manufacturer Warranty	HP standard one-year limited warranty [8]
Zero bright dot warranty	Yes
What's in the box	Monitor; HDMI cable; Warranty card; Quick Setup Poster; Cable holder; Vertical stand; VESA cover; Stand base[4]
Country of origin	Made in Vietnam

Logistic information

Pallet Dimensions (L x W x H)	Slip sheet: 120 x 100 x 204 cm (20 ft, 40 ft), 120 x 100 x 245 cm (40 HQ) Pallet: 120 x 100 x 216.8 cm (20 ft, 40 ft), 120 x 100 x 216.8 cm (40 HQ)
Pallet weight	Slip sheet: 462.24 kg (20 ft, 40 ft), 553.44 kg (40 HQ) Pallet: 474.54 kg (20 ft, 40 ft, 40 HQ)
Pallet (layers)	Slipsheet: 5, 6
Products per layer	12
Products per pallet	60

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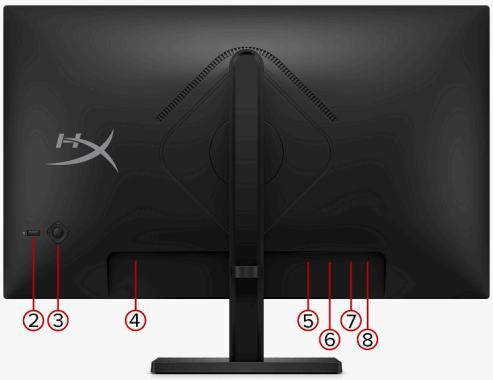
Product walkaround

1. Power LED



2. Power button
3. Joypad OSD button
4. Power Connector
5. HDMI 2.0 port
6. HDMI 2.0 port
7. DisplayPort 1.4
8. 3.5 mm headphone jack

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Footnotes

Messaging Footnotes

[1] Full high-definition (FHD) content required to view FHD images.
[2] All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary, either higher or lower.
[3] FreeSync™ is an AMD® technology that requires mandatory low framerate compensation and at least 144Hz 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] 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.
[5] 100% outer box/corrugate cushion packaging made from sustainably sourced certified and recycled fibers. Fiber cushions made from 100% recycled wood fiber and organic material. Any plastic cushions are made from >90% recycled plastic. Excludes plastic bags and plastic foam sheeting.
[6] Recycling facilities not available in all locations.
[7] Recycled plastic is expressed as a percentage of the total weight plastic. Post-consumer recycled is based on the definition set in the EPEAT® standard for computers, IEEE 1680.1-2018 standard.

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] The video card of the connected PC must be capable of supporting 1920 x 1080 at 60 Hz and include 1 HDMI or 1 DisplayPort™ outputs to drive the monitor at the Preferred Mode.
[3] Number of colors through A-FRC technology.
[4] Included cables may vary by country.
[5] 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.
[6] 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).
[7] As defined in EU 2019/2021 and EU 2019/2013.
[8] 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.
[9] 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.
[10] Recycled plastic is expressed as a percentage of the total weight plastic. Post-consumer recycled is based on the definition set in the EPEAT® standard for imaging equipment, IEEE 1680.2.
[11] External power supplies, WWAN modules, power cords, cables and peripherals excluded. Service parts obtained after purchase may not be Low Halogen.
[12] 100% outer box packaging and corrugated cushions made from sustainably sourced certified and recycled fibers.
[13] 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.

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