



HyperX OMEN 23.8 inch FHD 180Hz Gaming Monitor - OMEN 24 G2 (C2JP4AA)

Overview

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.

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]

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]

eyesafe | 

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]



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]

Features

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]

[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.

Specifications

Color	Black
Display Size (diagonal)	23.8"
Panel Technology	IPS; LED
Display Size (diagonal, metric)	60.5 cm (23.8")
Aspect Ratio	16:9 ^[1]
Native Resolution	FHD (1920 x 1080) ^[1,2]
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
Pixel Pitch	0.2745 x 0.2745 mm ^[1]
Brightness (typical)	300 nits ^[1]
Display Contrast Ratio (Static)	1000:1 ^[1]
Response Time (Typical)	1ms GtG (with overdrive) ^[1]
Product Dimensions (metric)	54 x 5.41 x 32.5 cm (without stand)
Product Dimensions (imperial)	21.26 x 2.13 x 12.8 in (without stand)
Product Dimensions (with stand metric)	54 x 19.83 x 46.92 cm
Weight (metric)	3.4 kg (without stand); 5.3 kg (with stand)
Weight (imperial)	7.5 lb (without stand); 11.68 lb (with stand)
Onscreen Controls	Color; Image; Input; Power; Menu; Management; Information; Exit; Gaming
Display Colors	Up to 16.7 million colors supported ^[1]
Display Scan Frequency (horizontal)	30-213 kHz ^[1]
Display Scan Frequency (vertical)	48-180 Hz ^[1]
Camera	No integrated camera
Power Supply Required	100 - 240 VAC 50/60 Hz
Power Consumption Description	23 W (maximum); 17 W (typical) ^[6]
Operating Temperature Range (celsius)	5 to 35°C
Operating Humidity Range	20 to 80% RH (non-condensing)
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
Certifications and Compliances	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
Physical Security	None
Management Software	OMEN Gaming Hub ^[5]
UPC Number	(A2K) 199485354699; (A2N) 199485354705; (AB0) 199485354712; (AB1) 199485354729; (AB2) 199485354736; (AB4) 199485354743; (ABA) 199485354750; (ABB) 199485354767; (ABG) 199485354774; (ABJ) 4582712659616; (ABT) 199485354781; (ABU) 199485354798; (ABV) 199485354804; (AC8) 199485354828; (ACJ) 199485354842; (ACQ) 199485354866; (AKH) 199485354880; (AKL) 199485354903; (AR6) 199485354927; (UUF) 199485354934; (UUG) 199485354958; (UUZ) 199485354965
Manufacturer Warranty	HP standard one-year limited warranty ^[8]
What Is In The Box	Monitor; HDMI cable; Warranty card; Quick Setup Poster; Cable holder; Vertical stand; VESA cover; Stand base ^[4]

Additional specifications

Audio Port	1 x 3.5 mm Audio Jack (Audio Out)
Backlight Lamp Life Minimum (To Half Brightness)	30,000 hours
Backlight Type	Edge-lit
Base Area Footprint (imperial)	7.83 x 7.8 in
Base Area Footprint (metric)	20 x 19.83 cm
Bezel	3-sided borderless
Curvature	Flat
Datasheet Photo 01	https://prism-pui-int.inc.hp.com/pro/crystal.1/damhandler/accessories/wario_omen_24_g2_display_jetblack_catalog_front_5084404.png
Datasheet Photo 02	https://prism-pui-int.inc.hp.com/pro/crystal.1/damhandler/accessories/wario_omen_24_g2_display_jetblack_catalog_frontright_5084405.png
Datasheet Photo 03	https://prism-pui-int.inc.hp.com/pro/crystal.1/damhandler/accessories/wario_omen_24_g2_display_jetblack_catalog_rear_5084612.png
Datasheet Photo 04	https://prism-pui-int.inc.hp.com/pro/crystal.1/damhandler/accessories/wario_omen_24_g2_display_jetblack_catalog_left_profile_5084406.png
Detachable Stand	Yes
Display Area (imperial)	20.75 x 11.67 in
Display Area (metric)	52.70 x 29.65 cm
Display Color Gamut	99% sRGB ^[1,3]
Display Contrast Ratio (Dynamic)	10,000,000:1
DisplayPort™	1 DisplayPort™ 1.4
Ecolabels	CECP; CEL Grade 2; Ukraine EE; Korea MEPS; California CEC
Energy Efficiency Class	E
Flicker-Free	Yes (TÜV certified)
HDCP	Yes, DisplayPort™ and HDMI
HDMI	2 HDMI 2.0
Hardness	3H ^[1]
Haze	25%
Height Adjustment Range	100 mm
Horizontal Viewing Angle	178°
Layers Per Pallet	Slipsheet: 5, 6
Low Blue Light Modes	HP Eye Ease (Eyesafe® and TÜV certified) ^[1]

Non-operating Altitude (imperial)	Up to 40,000 ft
Non-operating Altitude (metric)	Up to 12,192 m
Non-operating Humidity Range	5 - 95%
Non-operating Temperature - Celsius	-40 to 65°C
Non-operating Temperature - Fahrenheit	-40 to 149°F
On mode Power Demand in Standard Dynamic Range (SDR)	16 W
Operating Altitude (imperial)	Up to 16,400 ft
Operating Altitude (metric)	Up to 5,000 m
Operating Temperature Range (fahrenheit)	41 to 95°F
Package Dimensions (imperial)	23.43 x 6.46 x 16.02 in
Package Dimensions (metric)	59.5 x 16.4 x 40.7 cm
Package Weight (imperial)	16.76 lb
Package Weight (metric)	7.6 kg
Pallet Dimensions (imperial)	Slip sheet: 47.24 x 39.37 x 80.31 in (20 ft, 40 ft), 47.24 x 39.37 x 96.46 in (40 HQ); Pallet: 47.24 x 39.37 x 85.35 in (20 ft, 40 ft), 47.24 x 39.37 x 85.35 in (40 HQ)
Pallet Dimensions (metric)	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 (imperial)	Slip sheet: 1019.06 lb (20 ft, 40 ft), 1220.13 lb (40 HQ); Pallet: 1046.18 lb (20 ft, 40 ft, 40 HQ)
Pallet Weight (metric)	Slip sheet: 462.24 kg (20 ft, 40 ft), 553.44 kg (40 HQ); Pallet: 474.54 kg (20 ft, 40 ft, 40 HQ)
Panel Bit Depth	6 bit + FRC ^[1]
Pivot	±90°
Pixels Per Inch (PPI)	93 ppi ^[1]
Power Supply Type	Internal

Product Brand Name	HP
Product Dimensions (with stand, imperial)	21.26 x 7.8 x 18.47 in
Products Per Pallet	60
Products per Pallet Layer	12
Refresh Rate (maximum)	180 Hz
Resolution (maximum)	FHD (1920 x 1080 @ 180 Hz) ^[1]
Screen Treatment	Anti-glare
Stand Color	Black
Stand Type	With stand; Height adjustable stand
Standby Mode Power Demand	0.5 W
Technology Logo 01	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c09108206.png
Technology Logo 02	https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08829160.png
Tilt	-5 to +23°
UNSPSC Code	43211902
VESA Mounting	100 x 100 mm
Vertical Viewing Angle	178°
Viewable Diagonal Size	23.8" (60.47 cm)

[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).

[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.

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