



HP OMEN Transcend 31.5 inch UHD 240Hz OLED Gaming Monitor - Transcend 32

Brand : HP

Product family: OMEN

Product code: 9R181E9#ABB

Product name : OMEN

Transcend 31.5 inch UHD 240Hz

OLED Gaming Monitor - OMEN

Transcend 32

- Stunning QD-OLED, 4K UHD display^[2] delivering 240 Hz refresh rate^[1] and .03ms response time.
 - With VESA DisplayHDR™ True Black 400^[3] replicate realism with inkier blacks and vibrant colors^[1].
 - Easily switch between devices with OMEN Gear Switch with 140W power delivery and audio tuned by HyperX.
 - Innovating with purpose to drive change.^[4,5,6]
- OMEN Transcend 31.5 inch UHD 240Hz OLED Gaming Monitor - OMEN Transcend 32

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The Portal Between Playing and Creating

Experience amazing visuals and ultrafast gameplay with the OMEN Transcend 32 OLED Gaming Monitor. Play and create like never before with a QD-OLED, 4K UHD^[2], color accurate display that offers a 240 Hz refresh rate^[1] and .03ms response time. USB-C with 140W power delivery and OMEN Gear Switch enables you to seamlessly flow between gaming and working, making this a gamer's best friend and a boss's worst nightmare.



Display		Ports & interfaces	
Display diagonal *	80 cm (31.5")	HDMI version	2.1
Display resolution *	3840 x 2160 pixels	DisplayPorts quantity	1
HD type *	4K Ultra HD	DisplayPort version	2.1
Native aspect ratio *	16:9	Audio output	✓
Display technology *	OLED	Headphone out *	✓
Panel type *	OLED	Headphone outputs	1
Backlight type	Edge-Lit	Headphone connectivity	3.5 mm
Touchscreen *	✗	Built-in KVM switch	✓
Display brightness (typical)	250 cd/m²	HDCP	✓
Response time *	0.03 ms	Ergonomics	
Response time measurement type	GTG (Gray to Gray)	VESA mounting *	✓
Display surface	Matt	Panel mounting interface	100 x 100 mm
Anti-glare screen	✓	Cable lock slot *	✗
Screen shape *	Flat	Height adjustment *	✓
Supported graphics resolutions	1024 x 768 (XGA), 1280 x 1024 (SXGA), 1280 x 800, 1440 x 900 (WXGA+), 1600 x 1200 (UXGA), 1600 x 900, 1680 x 1050 (WSXGA+), 1920 x 1080 (HD 1080), 1920 x 1200 (WUXGA), 2560 x 1440, 3840 x 2160, 640 x 480 (VGA), 720 x 400, 800 x 600 (SVGA)	Adjustable height (max)	10 cm
		Pivot	✓
		Pivot angle	-90 - 90°
		Tilt adjustment	✓
Aspect ratio	16:9	Tilt angle range	-5 - 20°
Contrast ratio (typical) *	1500000:1	Picture-in-Picture	✓
Contrast ratio (dynamic)	1500000:1	On Screen Display (OSD)	✓
Maximum refresh rate *	240 Hz	Power	
Viewing angle, horizontal	178°	Energy efficiency class (SDR) *	G
Viewing angle, vertical	178°	Energy efficiency class (HDR) *	G
Display number of colours *	1.07 billion colours	Energy consumption (SDR) per 1000 hours *	37.1 kWh
Pixel pitch	0.18 x 0.18 mm	Energy consumption (HDR) per 1000 hours *	36.8 kWh
Pixel density	140 ppi	Power consumption (typical) *	126 W
Horizontal scan range	30 - 230 kHz	Power consumption (standby) *	0.5 W
Vertical scan range	24 - 240 Hz	Power consumption (max)	480 W
Viewable size, horizontal	70 cm		
Viewable size, vertical	39.5 cm		

Display		Power	
Display diagonal (metric)	80 cm	Power consumption (off)	0.3 W
High Dynamic Range (HDR) supported	✓	AC input voltage	100 - 240 V
High Dynamic Range (HDR) technology	DisplayHDR 400	AC input frequency	50/60 Hz
Surface hardness	2H	Power supply type	External
Colour depth	10 bit	Energy efficiency scale	A to G
Colour gamut standard	sRGB	Operational conditions	
Colour gamut	100%	Operating temperature (T-T)	5 - 35 °C
sRGB coverage (typical)	100%	Operating relative humidity (H-H)	5 - 95%
Adobe RGB coverage	97.5%	Storage relative humidity (H-H)	5 - 95%
BT.2020 coverage	99%	Weight & dimensions	
Display bezel technology	Micro-Edge	Width (with stand)	719.1 mm
DCI-P3 coverage	97.5%	Depth (with stand)	243.2 mm
Performance		Height (with stand)	617.1 mm
NVIDIA G-SYNC *	✓	Weight (with stand)	8.8 kg
NVIDIA G-SYNC type	G-SYNC Compatible	Width (without stand)	719.1 mm
AMD FreeSync *	✓	Depth (without stand)	114 mm
AMD FreeSync type	FreeSync Premium Pro	Height (without stand)	423.9 mm
Fast charging	✓	Packaging data	
VESA Adaptive Sync support	✓	Package width	843 mm
Flicker-free technology	✓	Package depth	190 mm
Low Blue Light technology	✓	Package height	501 mm
HP segment	Home	Package weight	15.9 kg
Multimedia		Package type	Box
Number of speakers	4	Packaging content	
RMS rated power	12 W	Stand included	✓
Built-in speaker(s) *	✓	Cables included	AC, DisplayPort, HDMI
Audio decoders	DTS Virtual:X	Power adapter included	✓
Built-in camera *	✗	Quick start guide	✓
Design		Bundled software	OMEN Gaming Hub; HP Display Manager
Market positioning *	Gaming	Sustainability	
Product colour *	White	Sustainability certificates	ENERGY STAR
Front bezel colour	Black	Other features	
Detachable stand	✓	Country of origin	China
Feet colour	Black	UNSPSC-code	43211902
Ports & interfaces		Weight	8.8 kg
Built-in USB hub *	✓	Compliance certificates	BIS, BSMI, CB, CCC, CE, EAC, Federal Communications Commission (FCC), KC, Norma Oficial Mexicana (NOM), RCM, VCCI
USB hub version	3.2 Gen 2 (3.1 Gen 2)	Supplied AC adapter type	197961928082
Number of USB Type-C upstream ports quantity	1	Certification	BIS; BSMI; CB; CCC; CE; EAC; FCC; ICES-003; ISO 9241-307; KC; NOM; RCM; TUV Bauart; UL/CSA; VCCI; ISC; Low blue light; CEL Grade 3; California Energy Commission (CEC); UAE; Ukraine certificates; Eyesafe® Certified; NRCS; Ukraine EE; Belarus EE; Korea MEPS; EMF; KCC-MSIP
USB Type-A downstream ports quantity	3	Technical details	
USB Type-C downstream ports quantity	2	General Product Safety Regulation (GPSR) URL	https://support.hp.com/us-en/document/ish_6126692-6126777-16?openCLC=true
USB Type-C DisplayPort Alternate Mode	✓		
USB Power Delivery (USB PD)	✓		
USB Power Delivery up to	140 W		
HDMI *	✓		
HDMI ports quantity	2		



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