HP E45c G5 DQHD Curved Monitor (6N4C1AA)

Overview

Crafted to Captivate

Uniquely designed to deliver incredible immersion and expansive flexibility, the HP E45c G5 DQHD Curved Monitor augments what's possible, so there's nothing between you and your best. Stylishly crafted with your comfort and the planet in mind, this ultrawide display is a powerhouse of productivity.

A View Beyond Imagination

Replace two QHD monitors with this one massive, 44.5" diagonal, dual QHD curved monitor, but keep the benefits of two distinct displays. With Virtual Dual Display, split the monitor into two, so you can screen share a presentation that everyone can see on one screen and interact with your audience or content on the other[1]. Plus, you can connect 2 different computers and simultaneously view and work between them with HP Device Bridge 2.0[2].

Comfort that Works for You

When doing your best relies on feeling your best, physical and viewing comfort is key. Easily find all-day comfort with 3-way adjustability optimized by the step-by-step Ergonomic Setup Guide[3]. See comfortably from day to night with the ambient light sensor that automatically adapts display brightness to fit your surroundings, and enjoy added comfort with HP Eye Ease, enhanced with a 165Hz refresh rate[4].

Simple, Powerful Connections

When you're working from home one day and the office the next, free yourself, your desk and your laptop from a mess of cables by simply connecting one USB-C® cable that connects your display and all your accessories—from webcam to keyboard—all while charging your laptop up to 100W. When you need to connect two devices, the two USB-C® ports distribute power with one port up to 65W power to each PC or 100W power to one PC and 30W power to a tablet or phone.

Inspiration on Display

Spark joy on your desk and in the world with a monitor built around you. The elegant design, including integrated 3W dual speakers, elevates your office while maximizing space. Beyond the looks, be inspired by a monitor that contains recycled plastics[6] and metals[7]. And customize your space to boost your productivity with the matching accessory ecosystem[8].

Features

Ergonomic Setup Guide

Achieve all-day comfort when you apply the best practices from the Ergonomic Setup Guide.[3]

Enhanced Viewing featuring HP Eye Ease

Experience enhanced viewing with comfort and screen performance. HP Eye Ease, an always-on, low-blue light filter, helps keep your eyes comfortable throughout the day by reducing blue light without impacting color--now enhanced with a 165Hz refresh rate.[4]

Ambient Light Sensor

Automatically adjusts your screen's brightness to the lighting of your environment for comfortable viewing.

Virtual Dual Display

Create two virtual unique workspaces that act like two distinct displays.[1]

Dual QHD Resolution

Get lost in the pixel density of two QHD screens for stunning definition.

Ultrawide, Ultra Productivity

Boost your productivity with this super ultrawide, 44.5-inch diagonal display with a 32:9 aspect ratio.

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[1] Host PC requires USB-C® (Alt Mode DisplayPort™) connection to enable Virtual Dual Display.

[2] HP Device Bridge 2.0 works with two computers and is compatible with Windows 10 and higher and MacOS 10.14 and higher platforms.

[3] Ergonomic Setup Guide is available through HP Display Center. Host PC requires Windows 10 or higher. HP Display Center is available on the Microsoft store.

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

[6] Recycled/Renewable materials made up of 85% ITE, 4.5% Ocean Bound Plastics, and 0.5% coffee grounds. Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 EPEAT standard. HP defines renewable according to the Global Reporting Initiative Sustainability Reporting Standards.

[7] Consists of 15% recycled metals. Recycled metal is expressed as a percentage of the total weight of the metal according to ISO 14021 definitions for metal parts over 25 grams.

[8] Extended ecosystem sold separately.

Specifications

Display size (diagonal)	44.5"
Panel technology	VA
Display size (diagonal)	113 cm (44.5")
Aspect ratio	32:9[1]
Native resolution	DQHD (5120 x 1440)[1,2]
Resolutions supported	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; 3440 x 1440; 5120 x 1440
Pixel pitch	0.21 x 0.21 mm
Brightness	400 nits[1]
Contrast ratio	3000:1[1]
Response time (typical)	3ms GtG (with overdrive)[1]
Minimum dimensions (W x D x H)	108.43 x 14.81 x 33.56 cm *(without stand)*
Minimum dimensions (W x D x H)	42.7 x 5.6 x 13.21 in *(without stand)*
Dimensions With Stand (W x D x H)	108.43 x 30.7 x 52.18 cm
Weight	14.6 kg *(with stand)*
Weight	32.18 lb *(with stand)*
Display features	On-screen controls; Single Power ON; Anti-glare; 1500R curvature; Height adjustable; AMD Freesync™ Premium; Integrated speakers; HP Eye Ease; Virtual dual display; Device Bridge 2.0; Ambient light sensor
Onscreen controls	Management; Information; Input; Color; Image; Power; Menu; Brightness+; Spilt Screen
Display colors	Up to 16.7 million colors supported
Display scan frequency (horizontal)	30-250 KHz
Display scan frequency (vertical)	48-165 Hz
Power	100 - 240 VAC 50/60 Hz
Power consumption	275 W (maximum), 55 W (typical), 0.5 W (standby)
Operating temperature range	5 to 35℃
Operating humidity range	20 to 80% RH
Sustainable impact specifications	Outside box and corrugated cushions are 100% sustainably sourced and recyclable; Contains ocean-bound recycled plastic; 80% ITE-derived closed loop plastic; At least 15% recycled metal

Certifications and compliances	BIS; BSMI; CB; CCC; CE; CECP; CEL; cTUVus; EAC; ENERGY STAR®; FCC; ISO 9241-307; KC/KCC; Korea MEPS (E-standby); Microsoft WHQL Certification; NOM; PSB; TCO Certified; TCO Certified Edge; TUV-S; UL/CSA; VCCI; WEEE; ISC; ICE; UAE; TGM; Ukraine certificates; NRCS; PSE
Physical security	Security lock-ready[10]
Management Software	HP Display Center; HP Display Manager
UPC number	(A2K) 196786293788; (A2N) 196786293795; (AB0) 196786293801; (AB1) 196786293818; (AB2) 196786293825; (AB4) 196786293832; (ABA) 196786293849; (ABB) 196786293856; (ABG) 196786293863; (ABJ) 4573595800516; (ABT) 196786293870; (ABU) 196786293887; (ABV) 196786293894; (ABY) 196786293900; (AC8) 196786293917; (ACJ) 196786293924; (ACQ) 196786293931; (AKH) 196786293955; (AKL) 196786293962; (AR6) 196786293979; (UUF) 196786293986; (UUZ) 196786293993
What's in the box	Monitor; Warranty card; Quick Setup Poster; AC power cord; 2 USB Type-C® to Type-C® cable[9]

Additional specifications

Backlight lamp life	30,000 hours
Backlight type	Edge-lit
Bezel	3-sided borderless
Color gamut	99% sRGB
Country of origin	Made in China
Curvature	1500R
Datasheet photo 1	AHID/4b3b1c796cf5f12a95c6b6f65c6bbce24cf6884c
Datasheet photo 3	AHID/935a4ed5d53166836d8ff987657b0078387c7188
Datasheet photo 4	AHID/da4629d239e6be9c4d649c4ea44528522ed24e6b
Datasheet photo 5	AHID/56f7b6d4b71e5998e85ee3f0967b5660a179a626
Detachable stand	Yes
Display area (imperial)	42.81 x 12.04 in
Display area (metric)	108.75 × 30.59 cm
Display contrast ratio (dynamic)	8000000:1
DisplayPort™	1 DisplayPort™ 1.4
Energy star certified	ENERGY STAR® certified
Ethernet	1 RJ-45 (10/100/1000 Mbps)
Flicker-free	Yes
HDCP	Yes, DisplayPort™, HDMI and USB Type-C®
HDMI	1 HDMI 2.1
Hardness	3H
Height adjustment range	150 mm
Horizontal viewing angle	178°
Low blue light	Yes, HP Eye Ease (TÜV Low Blue Light Hardware Solution certified)
Non-Operating Humidity Range	5 – 95%
Operating temperature range	41 to 95°F
Package dimensions (W x D x H)	126.7 x 28 x 48.5 cm
Package dimensions (W x D x H)	49.88 x 11.02 x 19.09 in
Package weight	22.47 kg
Package weight	49.53 lb
Panel bit depth	True 8 bit
Pixels per inch (ppi)	120 ppi
Power supply type	Internal

Product dimensions with stand (W x D x H)	42.7 x 12.1 x 20.5 in
Remote manageability	Through HP Display Manager; In-Band MAC Address Pass Through (MAPT); Out-of-Band MAC Address Pass Through (MAPT); In-Band Wake on LAN (WoL); Out-of-Band Wake on LAN (WoL); PXE Boot[12,13]
Resolution (maximum)	DQHD (5120 x 1440 @ 165Hz)
Screen treatment	Anti-glare
Speaker output power	2 x 3 W
Tilt	-5 to +20°
UNSPSC code	43211902
USB Type-A	4 SuperSpeed USB Type-A 5Gbps signaling rate (1 charging)
USB Type-C® video input	2 USB Type-C® 5Gbps signaling rate (up to 100W USB Power Delivery for 1 PC, 65W USB Power Delivery for 2 separate PCs)
VESA mounting	100 mm x 100 mm
Vertical viewing angle	178°
Viewable diagonal size	44.5" (113 cm)
swivel	±10°

Accessories

Rack Brackets/Bezels/ Panels/Rails/ Trays/Mounting

★ : Recommended

Mounting Kits

HP B560 PC Mounting Bracket	763U8AA
HP Quick Release Monitor Single Arm	762U0AA

Security and Protection

PC Locks

HP Business PC Security Lock v3 Kit	3XJ17AA

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