Data sheet

HP E45c G5 DQHD Curved Monitor

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.

*Product image may differ from actual product

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].

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.

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].

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].

Featuring

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.

HP Device Bridge 2.0
Control two devices: copy, paste, drag and drop files or data between them.[2]

99% sRGB Color Space
Ideal color reproduction with minimal effort.[4]

3-way Adjustability
3-way adjustability for the perfect viewing angle.

KVM Switch
Through just your display, boost your productivity when multi-tasking between two different computers with just your keyboard and mouse via the seamless KVM switch.[10]

More Ports. More Flexibility.
More ports means more capabilities. With an HDMI, DisplayPort™ 1.4, two USB-C® ports plus 4 additional USB-A ports, you can connect or charge multiple devices like a headset and webcam.[11]

Picture By Picture
Display two computers on one monitor with Picture By Picture (PBP).

USB-C® Connectivity
Simply connect your entire setup via one USB-C® cable and charge one computer up to 100W.

Dependable Internet Connectivity
High speed internet connection and remote IT manageability.[12]

HP Display Manager
HP Display Manager makes remote management of the monitor easy. Simplify deployment, asset tracking, and remotely control your monitor settings, like turning the power off.[12]

HP Display Center
Customize your display with easy, intuitive HP Display Center software.[13]

Single Power On
Instantly turn on your display and laptop.[5]

Effortless Joypad OSD Button
It's never been easier to configure your displays settings right from the monitor. Simply navigate the on-screen menu with the joypad OSD button to adjust brightness, contrast, and color.

3-Sided Micro-Edge Bezel
See and do more on your screen with a 3-sided micro-edge bezel that maximizes your viewing area for a sleek design.

Integrated Dual 3W Speakers
The integrated, side-firing 2x3W speakers deliver crystal-clear audio.

Materials that Matter
This monitor's enclosure consists of 90% recycled and renewable material.[6]

Mindful Metals
Engineered to contain 15% recycled metals.[9]

Thoughtful Product Packaging
100% recyclable packaging that can stay out of landfills.[14,15]

Increased Energy Efficiency
Reaching highest energy-saving standards with an ENERGY STAR® rating and EPEAT® Registration.[16,17]

Matching Accessories
Customize your desk to fit your work needs with the matching accessory ecosystem.

Boosted Manageability
With MAC address pass-through, PXE Boot, and Wake-on-LAN built in, easily manage your monitor fleet. Out-of-band manageability available with supported HP notebooks.

HP E45c G5 DQHD Curved Monitor Specifications Table

*Product image may differ from actual product

Display size (diagonal, metric)	113 cm (44.5")
Display type	VA
Panel active area	108.75 × 30.59 cm
Brightness	400 nits[1]
Contrast ratio	3000:1[1]
Response ratio	3ms GtG (with overdrive)[1]
Product color	Black head, black and silver stand
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
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
User controls	Management; Information; Input; Color; Image; Power; Menu; Brightness+; Spilt Screen
Ports and connectors	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); 1 HDMI 2.1; 1 DisplayPort™ 1.4; 4 SuperSpeed USB Type-A 5Gbps signaling rate (1 charging); 1 RJ-45 (10/100/1000 Mbps)
HDCP	Yes, DisplayPort™, HDMI and USB Type-C®
Camera	No integrated camera
Environmental	Operating temperature: 5 to 35°C Operating humidity: 20 to 80% RH
Power	100 - 240 VAC 50/60 Hz
Power consumption	275 W (maximum), 55 W (typical), 0.5 W (standby)
Dimensions	108.43 x 14.81 x 33.56 cm (without stand)
Weight	14.6 kg (with stand)
Physical security features	Security lock-ready[10]
Ecolabels	TCO Certified; EPEAT® registered[3]; ENERGY STAR® certified
Certification and compliance	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
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[4,5,6,7,8]
What's in the box	Monitor; Warranty card; Quick Setup Poster; AC power cord; 2 USB Type-C® to Type-C® cable[9]
Warranty	3 years limited warranty
Pixels per inch (ppi)	120 ppi
Panel bit depth	True 8 bit
Vertical viewing angle	178°
Horizontal viewing angle	178°
Bezel	3-sided borderless
Swivel	±10°
Tilt	-5 to +20°
Height adjustment range	150 mm
VESA mounting	100 mm x 100 mm
Hardness	3H
Screen treatment	Anti-glare
Flicker-free	Yes
Low blue light modes	Yes, HP Eye Ease (TÜV Low Blue Light Hardware Solution certified)
Energy efficiency class	G
Display scan frequency (vertical)	48-165 Hz
Display scan frequency (horizontal)	30-250 KHz
Pixel pitch	0.21 x 0.21 mm
Display colors	Up to 16.7 million colors supported
Display color gamut	99% sRGB
Speaker output power	2 x 3 W
Management software	HP Display Center; HP Display Manager[11]
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]
HDCP	Yes, DisplayPort™, HDMI and USB Type-C®
Displayport™	1 DisplayPort™ 1.4
Usb a	4 SuperSpeed USB Type-A 5Gbps signaling rate (1 charging)
Ethernet	1 RJ-45 (10/100/1000 Mbps)

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Messaging Footnotes

[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.
[5] Single Power On only compatible with HP PCs with Windows 10 or higher.
[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.
[9] 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.
[10] For KVM compatibility, if connected PCs do not have USB-C® port, user will need a USB-C® to A cable. Sold separately.
[11] AC Power cable and USB-C® 3.2 cable included. All other cables sold separately.
[12] HP Display Manager software agent must be running on a web server and host PC. Some limitations may apply to legacy monitors.
[13] Host PC requires Windows 10 or higher. HP Display Center is available on the Microsoft store.
[14] 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.
[15] Recycling facilities not available in all locations.
[16] HP Sustainability Report 2020 and HP Displays Sustainability Story 2021.
[17] Based on US EPEAT® registration according to IEEE 1680.1-2020 EPEAT®. Status varies by country. Visit www.epeat.net for more information.
[18] Not all notebooks support remote manageability.
[19] Out-of-band manageability only available with HP G7, G8 and G9 HP notebooks and not supported on non-HP devices.

Technical Specifications Footnotes

[1] All 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 5120 x 1440 at 165 Hz with 8-bit color using one DisplayPort™, HDMI. The video card of the connected PC must be capable of supporting 5120 x 1440 and include one DisplayPort™ or one HDMI outputs to drive the monitor at the preferred mode.
[3] EPEAT® registered where applicable. EPEAT® registration varies by country. See www.epeat.net for registration status by country. Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. Status varies by country. Visit www.epeat.net for more information.
[4] External power supplies, WWAN modules, power cords, cables, and peripherals excluded. Service parts obtained after purchase may not be Low Halogen.
[5] ITE Derived Closed Loop Plastic percentage is based on the definition set in the IEEE 1680.1-2018 standard.
[6] All plastic parts contain ocean-bound plastic. Percentage of ocean-bound plastic contained in each component varies by product.
[7] 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] 100% outer box packaging and corrugated cushions made from sustainably sourced certified and recycled fibers.
[9] Included cables may vary by country.
[10] Lock sold separately.
[11] Host PC requires Windows 10 and above. HP Display Center is available on the Microsoft store.
[12] Not all notebooks support remote manageability.
[13] Out-of-band manageability only available with HP G7, G8 and G9 HP notebooks and not supported on non-HP devices.

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