

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 other¹. Plus, you can connect 2 different computers and simultaneously view and work between them with HP Device Bridge 2.0².

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 Guide³. 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 rate⁴.

Sustainability in action

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 plastics⁶ and metals⁷. And customize your space to boost your productivity with the matching accessory ecosystem⁸.



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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.⁸

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.^{18,19}



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Specifications

Display specifications

Display size
44.5"

Display size (diagonal, metric)
113 cm (44.5")

Aspect ratio
32:9¹

Curvature
1500R

Native resolution
DQHD (5120 x 1440)^{1,2}

Resolution (maximum)
DQHD (5120 x 1440 @ 165Hz)

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

Panel type
VA

Bezel
3-sided borderless

Panel active area
108.75 x 30.59 cm

Panel bit depth
True 8 bit

Display colors
Up to 16.7 million colors supported

Display color gamut
99% sRGB

Refresh rate (maximum)
165 Hz

Display scan frequency
48-165 Hz (Vertical) 30-250 KHz (Horizontal)

Response time
3ms GtG (with overdrive)¹

Brightness
400 nits¹

Contrast ratio
3000:1 (Static)¹ 8000000:1 (Dynamic)¹

Pixel pitch
0.21 x 0.21 mm

Pixels per inch (ppi)
120 ppi

Viewing angle
178° (Vertical) 178° (Horizontal)

Backlight type
Edge-lit

Backlight lamp life
30,000 hours

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

Display User Control Options
Management; Information; Input; Color; Image; Power; Menu; Brightness+; Spilt Screen

Management software
HP Display Center; HP Display Manager¹¹

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}

Low blue light modes
Yes, HP Eye Ease (TÜV Low Blue Light Hardware Solution certified)

Flicker-free
Yes

Screen treatment
Anti-glare

Hardness
3H

VESA mount
100 mm x 100 mm

Height adjustment range
150 mm

Tilt
-5 to +20°

Swivel
±10°

Camera
No integrated camera

Speaker output power
2 x 3 W

Connectivity and communications

Port and connectors
1 HDMI 2.1
1 DisplayPort™ 1.4
2 USB Type-C® 5Gbps signaling rate (up to 100W USB Power Delivery for 1 PC, 65W USB Power Delivery for 2 separate PCs)
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®

Power supply
100 - 240 VAC 50/60 Hz (Internal)

Power consumption
275 W (maximum), 55 W (typical), 0.5 W (standby)

Logistics and Physical

Product color
Black head, black and silver stand

Detachable stand
Yes

Physical security
Security lock-ready¹⁰

Dimensions without Stand (W x D x H)
108.43 x 14.81 x 33.56 cm

Dimensions with stand (W x D x H)
108.43 x 30.7 x 52.18 cm

Weight
14.6 kg (with stand)

Packaged Dimensions (W x D x H)
126.7 x 28 x 48.5 cm

Packaged weight
22.47 kg

Certification and compliance

Energy efficiency
ENERGY STAR® certified G

Environmental 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}

Certifications
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

Microsoft WHQL certification
Windows 11; Windows 10

Operating temperature range
41 to 95°F

Operating humidity range
20 to 80% RH

Additional information

Manufacturer Warranty
3 years limited warranty

What's in the box
Monitor; Warranty card; Quick Setup Poster; AC power cord; 2 USB Type-C® to Type-C® cable⁹

Country of origin
Made in China



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Accessories and services (not included)

HP Business PC Security Lock v3 Kit



Help prevent chassis tampering and secure your PC and display in workspaces and public areas with the affordable HP Business PC Security Lock v3 Kit.
Product number: 3XJ17AA

HP Quick Release Monitor Single Arm



Give yourself more options for comfort and more space on your desk with the HP Quick Release Monitor Arm. With three easy options to mount on your desk and quick release attach for select E-Series G5/Series 5 Pro¹ and select Series 7 Pro monitors², it's never been easier to maximize workday comfort and desk space.
Product number: 762U0AA

¹ Compatible with select HP E Series, Series 5 Pro, and Series 7 Pro monitors. Please check detailed compatibility on accessory datasheet.

² Requires monitor VESA adapter for selected models. Please contact your Sales agent or HP Service for further guidance.

HP B560 PC Mounting Bracket



Create a compact, efficient workspace with the HP B560 PC Mounting Bracket. Simply attach your select HP Desktop Mini PC¹ directly behind your select E-Series G5/Series 5 Pro/Series 7 Pro² monitors for an optimized space-saving solution that doesn't interfere with the display's 4-way adjustability.
Product number: 763U8AA

¹ Compatible with Desktop Mini PCs and Workstations that have a 100 mm x 100 mm VESA mount. Use included spacer kit to allow compatibility with HP Thin Clients that have a 100 mm x 100 mm VESA mount.

² Compatible with select HP E Series, Series 5 Pro, and Series 7 Pro monitors. Please check detailed compatibility on accessory datasheet.

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Footnotes

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.

