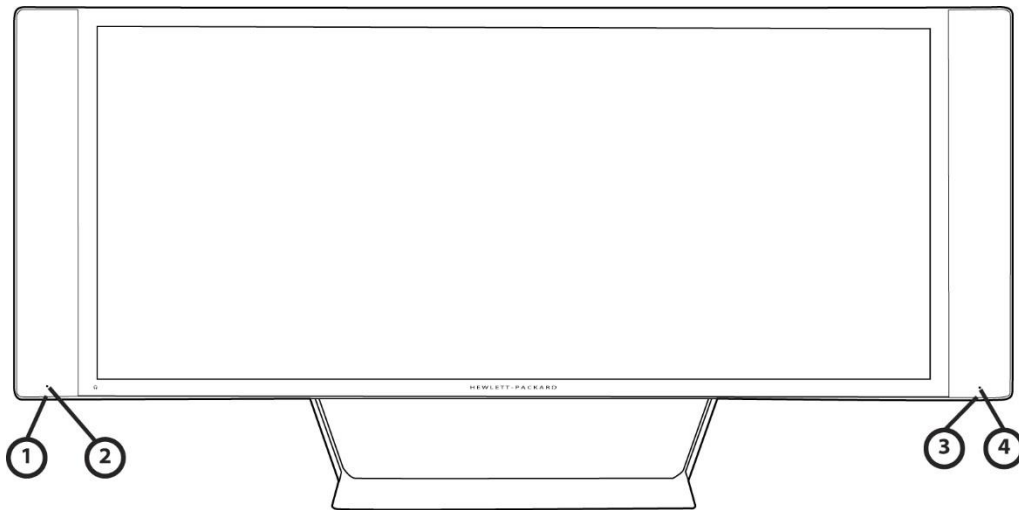
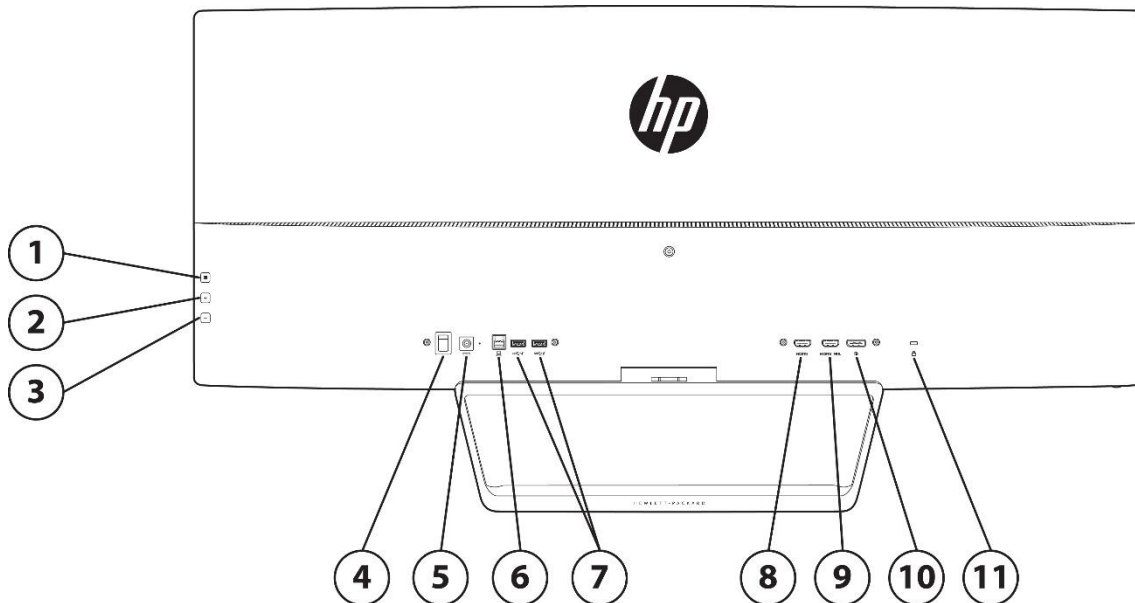


Overview

HP Z Display Z34c 34-inch Curved Monitor

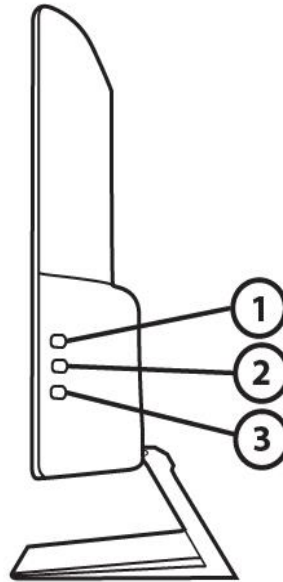


- | | |
|-----------------|--------------------|
| 1. Volume wheel | 3. Power button |
| 2. Mute button | 4. Power indicator |



- | | |
|----------------------------|-------------------------------|
| 1. Menu | 7. USB 3.0 ports (downstream) |
| 2. Plus ("+") | 8. HDMI v 1.4 input |
| 3. Minus ("-") | 9. HDMI v1.4/MHL 2.0 input |
| 4. Power switch | 10. DisplayPort |
| 5. Power adapter connector | 11. Security lock slot |
| 6. USB 3.0 port (upstream) | |

Overview



1. Menu
2. Plus ("+")
3. Minus ("-")

Overview

Raise the bar with the HP Z Display Z34c 34-inch Curved Monitor—an elegant, immersive, curved visual and audio experience for your workstation, PC, and mobile device content.

Key features:

- Enhance your visual perception with a curved display, ultra-high resolution, and 21:9 aspect ratio that increases your field of vision.
- Instantly mirror your smart phone or tablet content and charge your devices through MHL.¹
- The two USB 3.0 ports support BC1.2 for smartphone and tablet charging.
- Maximize your media with wide viewing angles for an expansive visual experience and an outstanding premium audio experience with DTS Audio technology.
- Set the bar for stylish performance with a sleek, modern black-and-silver color palette, thin design, and stellar front of screen features.
- Discover stellar front of screen presentation from 8-bit color depth, 110 PPI and 98.8% sRGB color gamut.
- Get a more expansive view from the super-high 3440 x 1440 WQHD² resolution that puts more pixels on screen.
- Design the screen for how you work with HP Display Assistant software.

Technical Specifications

Models: K1U77A4

Panel	Type	34-inch VA Curved with LED backlight
	Viewable Image Area (diagonal)	86,36 cm (34 in) widescreen; diagonally measured
	Panel Active Area (W × H)	79,49 x 33,37 cm (31.29 × 13.13 in) at a 3000r* curvature *radius of the arc of the panel curvature in mm
	Resolution	3440 x 1440 @ 60 Hz
	Aspect Ratio	21:9
	Viewing Angle	Up to 178° horizontal/178° vertical typical
	Brightness	350 cd/m ²
	Contrast Ratio (Typical)	3000:1 Static; 10,000,000:1 Dynamic (DCR)
	Response Times*	8 ms typical (G-to-G) with Overdrive; 15 ms typical (G-to-G) without Overdrive
	Pixel Pitch	0.232 mm
	Pixels Per Inch (PPI)	110 DPI
	Backlight Lamp Life (to half brightness)	30,000 hours minimum
	Color Production	Can display up to 16.7 million colors (true 8-bit panel)
	Color Gamut (Typical)	98.8% sRGB (sRGB color space is factory calibrated)

* Performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.

User Controls	Buttons or Switches	Back - Right side: Menu, Plus ("+"), Minus ("-") Bottom right: Power button
	Languages	10 (English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, T-Chinese and S-Chinese)
	On Screen Display (OSD) User Controls	Brightness, Contrast, Color, Image Control, OSD control, Management, Language, Information, Factory Reset, Input Control
	Audio Controls	Bottom - Left side: Volume wheel with mute, headphone jack Remote control also has audio controls
Signal Interface/ Performance	Horizontal Frequency	30–80 kHz
	Vertical Frequency	60 Hz
	Native Resolution	3440 x 1440 @ 60 Hz
	Preset Graphic Modes (non-interlaced)	640 x 480 @ 60Hz 800 x 600 @ 60 Hz 1024 x 768 @ 60 Hz 1280 x 720 @ 60 Hz

Technical Specifications

		1280 x 1024 @ 60 Hz	
		1366 x 768 @ 60 Hz	
		1440 x 900 @ 60 Hz	
		1600 x 900 @ 60 Hz	
		1680 x 1050 @ 60 Hz	
		1920 x 1080 @ 60 Hz	
		2560 x 1080 @ 60 Hz	
		3440 x 1440 @ 30 & 60 Hz	
	Maximum Pixel Clock Speed	250 MHz	
	Anti-Glare	Yes; 2.3% Low Haze, 2H Hardness	
Video/Other Inputs	Plug and Play	Yes	
	Input Connectors	(1) HDMI 1.4, (1) MHL 2.0/HDMI 1.4 (1) DisplayPort 1.2 HDCP support on all inputs	
	USB	Integrated USB 3.0 hub with (2) downstream ports with BC 1.2 battery charging capability, and (1) upstream port to the PC	
	Video Cables Included	(1) HDMI 1,8 m (5.9 ft)* (1) DisplayPort 1,8 m (5.9 ft)* *Included cables may vary by country.	
	Audio	Input via DisplayPort, HDMI or MHL	
Multimedia	Speakers	2 speakers, 6W per channel, L and R, DTS certified	
Power	Power Supply	External	
	Input Power	100 - 240 VAC 50/60 Hz	
	Maximum Power	120 W	
	Typical Power	75 W	
	ES6.0	39 W	
	Sleep Power	0.7 W	
	Off	0.5 W	
	Power Cable Length	1,83 m (6 ft)	
Mechanical	Dimensions (W x D x H)	Unpacked w/stand (lowest setting)	95,08 x 19,72 x 47,71 cm (37.44 x 7.76 x 18.79 in)
		Unpacked w/o stand (head only)	95,08 x 9,39 x 37,41 cm (37.44 x 3.7 x 14.73 in)
		Packaged	107,1 x 28,5 x 49,8 cm (42.17 x 11.22 x 19.61 in)
	Weight	Head Only	8 kg (17.6 lb)
		Unpacked	9,83 kg (21.63 lb)

Technical Specifications

		Packaged	14,98 kg (32.96 lb)
Ergonomic Features	Detachable Stand	Yes, ships detached	
	Tilt Range	-2° to + 25° vertical	
Environmental	Temperature - Operating	5° to 35° C (41° to 95° F)	
	Temperature - Non-operating	-20° to 60° C (-4° to 140° F)	
	Humidity - Operating	20% to 80% non-condensing	
	Humidity - Non-operating	5% to 95%, 38.7° C max wet-bulb	
	Altitude - Operating	0 to 5,000 m (0 to 16,404 ft)	
	Altitude - Non-operating	0 to 12,192 m (0 to 40,000 ft)	
	White LED Backlights	Yes	
	CCFL Panel	No	
	Arsenic-Free Display Glass	Yes	
	Low Halogen³	Yes (except cables)	
	Mercury-Free Display Backlighting	Yes	

Environmental Data

Eco-Label Certifications & declarations

This product has received or is in the process of being certified to the following approvals and may be labeled with one or more of these marks:

- IT ECO declaration

Energy Consumption (in accordance with US ENERGY STAR® test method)

	115VAC, 60Hz	230VAC, 50Hz	100VAC, 60Hz
Normal Operation	39.09 W	38.83 W	39.19 W
Sleep	0.71 W	0.77 W	0.7 W
Off	0.37 W	0.43 W	0.36 W

Heat Dissipation*

	115VAC, 60Hz	230VAC, 50Hz	100VAC, 60Hz
Normal Operation	134 BTU/hr	133 BTU/hr	134 BTU/hr
Sleep	2 BTU/hr	3 BTU/hr	2 BTU/hr
Off	1 BTU/hr	1 BTU/hr	1 BTU/hr

*NOTE: Heat dissipation is calculated based on the measured watts, assuming the service level is attained for one hour.

Additional Information

- This product is in compliance with the Restrictions of Hazardous Substances (RoHS) directive - 2002/95/EC.
- This HP product is designed to comply with the Waste Electrical and Electronic Equipment (WEEE) Directive – 2002/96/EC.
- This product is in compliance with California Proposition 65 (State of California; Safe Drinking Water and Toxic Enforcement Act of 1986).
- Plastics parts weighing over 25 grams used in the product are marked per ISO 11469 and ISO1043.
- This product contains 2.4% post-consumer recycled plastic (by wt.)
- This product is 98.2% recycle-able when properly disposed of at end of life.

Packaging Materials

External:	PAPER/Corrugated	1800 g
Internal:	PLASTIC/EPE-Expanded Polyethylene	1320 g
	PLASTIC/Polyethylene low density	45 g

RoHS Compliance

Hewlett-Packard is committed to compliance with all applicable environmental laws and regulations, including the European Union Restriction of Hazardous Substances (RoHS) Directive. HP's goal is to exceed compliance obligations by meeting the requirements of the RoHS Directive on a worldwide basis. By July 1, 2006, RoHS substances will be virtually eliminated (virtually = to levels below legal limits) for all HP electronic products subject to the RoHS Directive, except where it is widely recognized that there is no technically feasible alternative (as indicated by an exemption under the EU RoHS Directive).

Environmental Data

Material Usage

This product does not contain any of the following substances in excess of regulatory limits (refer to the HP General Specification for the Environment at <http://www.hp.com/hpinfo/globalcitizenship/environment/pdf/gse.pdf>):

- Asbestos
- Certain Azo Colorants
- Certain Brominated Flame Retardants – may not be used as flame retardants in plastics
- Cadmium
- Chlorinated Hydrocarbons
- Chlorinated Paraffins
- Formaldehyde
- Halogenated Diphenyl Methanes
- Lead carbonates and sulfates
- Lead and Lead compounds
- Mercuric Oxide Batteries
- Nickel – finishes must not be used on the external surface designed to be frequently handled or carried by the user.
- Ozone Depleting Substances
- Polybrominated Biphenyls (PBBs)
- Polybrominated Biphenyl Ethers (PBBEs)
- Polybrominated Biphenyl Oxides (PBBOs)
- Polychlorinated Biphenyl (PCB)
- Polychlorinated Terphenyls (PCT)
- Polyvinyl Chloride (PVC) – except for wires and cables, and certain retail packaging has been voluntarily removed from most applications.
- Radioactive Substances
- Tributyl Tin (TBT), Triphenyl Tin (TPT), Tributyl Tin Oxide (TBTO)

Packaging

HP follows these guidelines to decrease the environmental impact of product packaging:

- Eliminate the use of heavy metals such as lead, chromium, mercury and cadmium in packaging materials.
- Eliminate the use of ozone-depleting substances (ODS) in packaging materials.
- Design packaging materials for ease of disassembly.
- Maximize the use of post-consumer recycled content materials in packaging materials.
- Use readily recyclable packaging materials such as paper and corrugated materials.
- Reduce size and weight of packages to improve transportation fuel efficiency.
- Plastic packaging materials are marked according to ISO 11469 and DIN 6120 standards.

End-of-life Management and Recycling

Hewlett-Packard offers end-of-life HP product return and recycling programs in many geographic areas. To recycle your product, please go to: <http://www.hp.com/go/reuse-recycle> or contact your nearest HP sales office. Products returned to HP will be recycled, recovered or disposed of in a responsible manner.

Environmental Data

The EU WEEE directive (2002/95/EC) requires manufacturers to provide treatment information for each product type for use by treatment facilities. This information (product disassembly instructions) is posted on the Hewlett Packard web site at: <http://www.hp.com/go/recyclers>. These instructions may be used by recyclers and other WEEE treatment facilities as well as HP OEM customers who integrate and re-sell HP equipment.

Hewlett-Packard Corporate Environmental Information

For more information about HP's commitment to the environment:

Global Citizenship Report

<http://www.hp.com/hpinfo/globalcitizenship/gcreport/index.html>

Eco-label certifications

<http://www.hp.com/hpinfo/globalcitizenship/environment/productdesign/ecolabels.html>

ISO 14001 certificates:

<http://www.hp.com/hpinfo/globalcitizenship/environment/operations/envmanagement.html>

Options

Options	<p>HP LCD Monitor Quick Release — Part number EM870AA⁵</p> <p>HP DisplayPort Cable Kit — Part number VN567AA</p> <p>HP Business PC Security Lock Kit — Part number PV606AA</p>	<p>An easy-to-use, VESA-compliant, LCD monitor mounting solution that allows you to quickly and securely attach an LCD monitor to a variety of stands, brackets, arms or wall mounts. For more information, refer to this product's QuickSpecs document.</p> <p>Connects a DisplayPort connector on an HP Business Desktop computer to a DisplayPort connector on a monitor</p> <p>Attaches to the rear of the PC with a six-foot steel cable that can be used to secure a PC or peripherals such as mice, keyboards, monitors or USB security devices to protect them against unauthorized removal by physically connecting the system to an anchor point.</p>
What's in the box?	<p>Monitor and Accessories</p> <p>Documentation</p> <p>Software</p>	<p>HP Z Display Z34c 34-inch Curved Monitor, AC power cord (1.83m) 6 ft, External Power Supply (150W), Remote Control, HDMI cable (1.8m) 5.9 ft*, DisplayPort cable (1.8m) 5.9 ft*</p> <p>*Included cables may vary by country.</p> <p>CD (includes user guide, warranty, drivers)</p> <p>HP Display Assistant</p>
Other	<p>User Guide Languages</p> <p>Warranty Languages</p> <p>Color</p> <p>VESA Mounting</p> <p>Security Lock-Ready</p> <p>Country of Origin</p>	<p>English, Arabic, S. Chinese, T. Chinese, Czech, Danish, Dutch, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Kazakh, Korean, Norwegian, Polish, Brazilian Portuguese, Russian, Slovenian, Spanish, Swedish and Turkish.</p> <p>English, Arabic, S. Chinese, T. Chinese, Czech, Danish, Dutch, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Kazakh, Korean, Norwegian, Polish, Brazilian Portuguese, Russian, Slovenian, Spanish, Swedish and Turkish.</p> <p>Black (Bezel), White (Back of monitor) and Silver (Stand)</p> <p>VESA mounting via included 100mm x 100mm VESA Bracket</p> <p>Yes</p> <p>China</p>
Certification and Compliance	<p>CEL Grade 2, Microsoft WHQL Certification (Windows 8.1 and Windows 7), UL/CSA, CE, KCC, NOM, TUV-S, TuV-GS, ISO VCCI, PSB, BSMI, EAC, C-tick, FCC marking, CB, EC1062 -Grade C</p>	
Compatibility	<p>Compatible with platforms using the VESA standard video modes. Recommended for use with HP products.</p>	
Service and Warranty	<p>Protected by an HP standard one- or three-year limited warranty (varies by region). Certain restrictions and exclusions apply. Optional HP Care Pack Services are extended service contracts that extend your protection beyond the standard warranties.⁴</p>	

Options

1. MHL 2.0 port will charge a MHL compatible smart phone and tablet battery. Requires the smart phone or tablet to be enabled for MHL or have an HDMI dongle to connect to the monitor. See your mobile device specifications.
2. High-definition content required.
3. External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.
4. Service levels and response times for HP Care Pack Services may vary depending on your geographic location. Service starts from date of hardware purchase. Restrictions and limitations apply. See <http://www.hp.com/go/cpc> for details.
5. The HP Quick Release has been designed to support a maximum of up to 24 lbs (10.9 kg) for all devices mounted. Because mounting surfaces vary widely and the final mounting method and configuration may vary, mounting fasteners are not supplied (other than the VESA-compliant screws). HP recommends that you consult with a qualified engineering, architectural or construction professional to determine the appropriate type and quantity of mounting fasteners required for your application and to ensure that your mounting solution is properly installed to support applied loads.

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Change Log

Change Log			
March 30, 2015	From v1 to v2	Update	Added Environmental Data Chart
May 20, 2016	From v2 to v3	Update	Removed ENERGY STAR and EPEAT references
June 6, 2016	From v3 to v4	update	Removed TCO references