

Technical Specifications

HP Z38c 37.5-inch Curved Display



- 1. Menu button** Press to open the OSD menu, select a menu item from the OSD, or close the OSD menu.
- 2. Function buttons** Use these buttons to navigate through the OSD menu based on the indicators above the buttons that are activated when the OSD menu is open.
- 3. Power/LED** Press to turn the monitor on or off. When the monitor is on, the power light above the power button is on.

LED:

Fully powered = white

Sleep mode = amber

Sleep timer mode = flashing amber

Cable Management

Effortless routing of cables through the cable management tunnel at the base of the column

NOTE: Function buttons can be configured in the OSD menu to quickly select the most commonly used operations.

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|----|---|--|
| 1. | Master power switch | Turns off all power to the monitor |
| 2. | Power Connector | Connects AC power |
| 3. | HDMI 2.0 port | Connects an HDMI cable to the source device |
| 4. | DisplayPort™ 1.2 (input) | Connects a DisplayPort™ cable to the source device |
| 5. | Audio out (headphone) jack | Connects optional powered stereo speakers, headphones, earbuds, a headset, or a television audio cable |
| 6. | USB Type-A ports (2) (downstream) | Connects a USB device (no battery charging) |
| 7. | Security cable slot | Connects a security cable to a stationary object |
| 8. | USB Type-A port with battery charging 1.2 (downstream) | Connects a USB Type-A cable to the source device (delivers 5Volts / 2 Amps conforming to the BC1.2 standard) |
| 9. | USB Type-C™ port (upstream & downstream) | Connects a USB Type-C™ cable to the source device (5v(3A), 5.25v(3A),9V(3A), 12v(3A), 15V(3A), 20v(3.25A) |

NOTE: The USB Type-C port can also function as a USB downstream port when connected to a USB Type-C source device.

The USB Type-C port can function as a DisplayPort audio/video input, as a USB 3.0 upstream connection, or it can be used to deliver up to 65 watts of power to a device. Power outputs are 5V/3A, 5.25V/3A, 9V/3A, 10V/3A, 12V/3A, 15V/3A, 20V/3.25A to achieve 15W, 5.75W, 27W, 30W, 36W, 45W, 65W output for HP qualified E-MARK Cable and only 5V/3A to achieve 15W output for the other cable.

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Models: Z4W65AA, Z4W65A4

Panel	Type	37.5-inch IPS, LED Backlit
	Viewable Image Area (diagonal)	95,29 cm (37.5 in) widescreen; diagonally measured
	Panel Active Area (W x H)	87,97 x 36,65 cm (34.64 x 14.43 in.)
	Panel Type	IPS
	Micro-Edge Bezel	Yes, 3-sided
	Curved Panel	Yes, 2300r
	Hardness	3H
	Resolution	3840 x 1600 @ 60Hz
	Aspect Ratio	21:9
	Viewing Angle (typical)	Up to 178° horizontal/178° vertical (10:1 minimum contrast ratio)
	Brightness (typical)*	300 cd/m ²
	Contrast Ratio (typical)*	1,000:1
	Dynamic Contrast Ratio (typical)*	5,000,000:1
	Response Time (typical)*,***	5ms Gray to Gray
	***Product default is 14ms response time and can be adjusted to as low as 5ms in the display menu. See user guide for more information.	
	Pixel Pitch	0.22908 X 0.22908 mm
	Pixels Per Inch (PPI)	100.93
Backlight Lamp Life (to half brightness)	30,000 hours minimum	
Panel Bit Depth**	10-bit, Up to 1.07 billion colors	
Color Gamut	98% of sRGB	
*All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.		
**8+2 With the use of FRC technology.		
User Controls	On Screen Display (OSD) User Controls	Brightness, Contrast, Color Control, Input Control, Image Control, Power Control, Menu control, Management, Language, Information
	Monitor Control Buttons or Switches	Menu, Minus ("-")/Color Control, Plus ("+") /Viewing Modes, Back/Next Active Input, Power
	User-Assignable Function Buttons	Yes, 10
	Languages	10 (English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, T-Chinese and S-Chinese)
Color Management	Factory Color Calibrated	Yes
	Factory Calibration Accuracy	
	White Point Maximum	3.0 ΔE 2000
	Grayscale Average (255 levels) Maximum	3.0 ΔE 2000
	Gamma Target Tolerance (2.2 for sRGB, 2.4 for BT.709)	±0.1
	X-Rite ColorChecker Average Maximum	3.0 ΔE 2000
Signal Interface/ Performance		27-130 kHz
	Vertical Frequency	24-76Hz
	Native Resolution	3840 x 1600 @ 60Hz
	Preset VESA Graphic Modes (non-interlaced)	640 x 480 @60Hz
		720 x 400 @70Hz
		800 x 600 @60Hz
	720 x 480 @60Hz	

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1024 x 768 @60Hz
 1280 x 720 @60Hz
 1280 x 1024 @60Hz
 1440 x 900 @60Hz
 1600 x 900 @60Hz
 1600 x 1200 @60Hz
 1680 x 1050 @60Hz
 1920 x 1080 @60Hz
 1920 x 1200 @60Hz
 1920 x 1600 @60Hz
 2560 x 1080 @60Hz
 2560 x 1600 @60Hz
 3840 x 1600 @60Hz
 3840 x 1600 @30Hz

Maximum Pixel Clock Speed 600 MHz
Anti-Glare Yes
Flicker Free Yes
Default Color Temperature D65

VIDEO/OTHER INPUTS

Connector Types
DisplayPort™ (1) DisplayPort™ 1.2
HDMI (1) HDMI 2.0
USB Type-C™ (1) USB Type-C™
HDCP support Yes, all video inputs
Audio (1) Audio out (analog)
USB Port Specifications
USB Version 3.0

Location (2) bottom, (1) side (see illustration on page 2)
USB Hub Yes
Downstream Ports 3, USB3.0 Type A
Upstream Ports 1, Type-C™
Fast Charging USB Ports 1 Ports (side)
Power Output Maximum PD 65w via USB Type-C™
USB-Type C™ Version USB 3.1 Gen1 / 5G bps

USB-Type C™ Port Specifications

Location Side (see illustration on page 2)
USB-Type C™ Hub Yes
USB-Type C™ Ports (Upstream and Downstream) * 1

*The USB Type-C port can also function as a USB downstream port when connected to a USB Type-C source device.

Video Support USB-C Alt mode - DisplayPort™ 1.2
Power Output 5V/5.25V/9V/10V/12V/15V, 3A. 20V 3.25A
Power Output Maximum 65w

POWER

Power Supply Internal
Input Power 100 – 240 VAC at 50/60 Hz
Typical Power¹ 80 W
Maximum Power² 195 W
Energy Saving/Standby Mode 0.5 W

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DIMENSIONS AND WEIGHT

Mechanical	Dimensions (W x D x H)	Unpacked w/stand (highest stand setting)	89,55 x 24,80 x 55,87 cm (35.26 x 9.76 x 22 in)
		Unpacked w/o stand (head only)	89,55 x 10,42 x 39,95 cm (35.26 x 4.10 x 15.73 in)
		Packaged	106 x 45,2 x 55,5 cm (41.73 x 17.8 x 21.85 in)
	Weight	Head Only	9,8 kg (21.56 lb)
		Unpacked	13,8 kg (30.36 lb)
		Packaged	21 kg (46.26 lb)

MONITOR FEATURES

Plug and Play	Yes
Color	Black
Cable Management	Enhanced cable management for easy concealment of power, video and USB cables. Effortless routing of cables through the cable management tunnel at the base of the column.
Detachable Stand	Yes
Tilt Range	-5° to + 20° vertical
Swivel Range	45°L to 45°R
Display height adjustment:	Adjustment Range: 120 mm Min (desk to bottom of display): 39 mm Max (desk to bottom of display): 159 mm
Pivot Rotation	N/A
VESA Mounting	Yes, 100 mm
Security Lock-Ready	Yes

ENVIRONMENTAL

Specifications	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% Relative Humidity 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 Backlights	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, 50Hz
Normal Operation	42.96 W	41.95 W	43.22 W
Sleep	0.45 W	0.48 W	0.50 W
Off	0.28 W	0.27 W	0.30 W

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Heat Dissipation*	115VAC, 60Hz	230VAC, 50Hz	100VAC, 50Hz
Normal Operation	147 BTU/hr	143 BTU/hr	148 BTU/hr
Sleep	2 BTU/hr	2 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 19.8% post-consumer recycled plastic (by wt.)
- This product is 97.6% recycle-able when properly disposed of at end of life.

Packaging Materials

External:	PAPER/Corrugated	2929 g
	PAPER/Paperboard	2 g
Internal:	PLASTIC/Polyethylene Expanded – EPE	2688 g
	PLASTIC/Polyethylene high density - HDPE	28 g
	PLASTIC/Other& COMPOSITE/paper/carton+plastic	4 g

RoHS Compliance

HP, Inc. 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).

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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.

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.

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HP, Inc. 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://h20195.www2.hp.com/V2/GetDocument.aspx?docname=c04755842>

and

<http://www.hp.com/hpinfo/globalcitizenship/environment/pdf/cert.pdf>

OPTIONS (Each sold separately)

HP USB Graphics Adapter— Part number NL571AA

Enables connection of up to six simultaneous displays to help you boost productivity and multi-task across several open applications. Use one Adapter to bridge between a notebook or desktop PC and second monitor or use multiple Adapters to connect several displays to each other.

HP B500 PC Mounting Bracket —Part number 2DW52AA

Maximize your available work area with a single-footprint solution. Simply attach the bracket to the back of your display, and your PC platform to the bracket via the 100mm VESA pattern. It's that easy!

HP DisplayPort™ Cable Kit — Part number VN567AA

Connects a DisplayPort™ connector on an HP Business Desktop computer to a DisplayPort™ connector on a monitor.

HP Business PC Security Lock Kit— Part number PV606AA

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.

WHAT'S IN THE BOX?

What's in the box?	Monitor and Accessories	HP Z38c 37.5-inch Curved Display, AC power cord 1,9 m (6.2 ft), (1) HDMI 1,8 m (5.9 ft), (1) DisplayPort™ 1,8 m (5.9 ft), (1) USB Type-C™ 1,8 m (5.9 ft)
	Documentation	CD, documentation
Other	Software included	HP Desktop Assistant
	User Guide Languages	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.
	Warranty Languages	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.

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Country of Origin China

CERTIFICATION AND COMPLIANCE

Certification and Compliance Microsoft WHQL Certification (Windows 10, Windows 8 and Windows 7), SmartWay Transport Partnership (NA only)

CE, CB, KC/MSIP/Mexico CoC/PSB/ICES/TUV-S/ISO 9241 -307 / EAC / cTUVus / PSE / ISC / CCC / CEL / CECP / SEPA / VCC I/ FCC / BSMI / Vietnam MEPS / Australian-New Zealand MEPS / WEEE / BIS/ ErP/ E-Standby

Compatibility Compatible with platforms using the VESA standard video modes. Recommended for use with HP products.

Service and Warranty Protected by HP, including a 3 year standard limited warranty. Optional HP Care Pack Services are extended service contracts that extend your protection beyond the standard warranties.⁴

Zero Bright Dot Guarantee* Yes

*The HP Pixel Policy allows no bright sub-pixel defects for this display. For complete details, see <http://support.hp.com/us-en/document/c00288895>.

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1. Default Power is measured with factory defaults, including factory default brightness and USB ports loaded at 25% of maximum.
2. Maximum Power is measured with monitor at maximum brightness and with USB ports loaded at 100% of maximum.
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	
28/08/2017	From V1 to V2
	Panel Specs Updated
28/08/2017	From V2 to V3
	Environmental data table added
14/12/2017	From V3 to V4
	Corrected unpacked weight