

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™ Port Specifications	USB-Type C™ Version	USB 3.1 Gen1 / 5G bps
	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 (5.2 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

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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.
	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