QuickSpecs

Technical Specifications

**HP Z24n G2 24-inch Display**

1.	**Menu button**	Press to open the OSD menu, select a menu item from the OSD, or close the OSD menu.
2.	**Minus ("-") button**	If the OSD menu is open, press to navigate backward through the OSD menu and decrease adjustment levels.
		If the OSD menu is closed, press to open the Color menu.
3.	**Plus ("+") button**	If the OSD menu is open, press to navigate forward through the OSD menu and increase adjustment levels.
		If the OSD menu is closed, press to open the Viewing Modes menu.
4.	**Back/Exit button**	If the OSD is open, press to go back or exit the OSD.
		If the OSD menu is closed, press to switch to the next active input.
5.	**Power button**	Turns the monitor on or off.

Technical Specifications

HP Z24n G2 24-inch Display
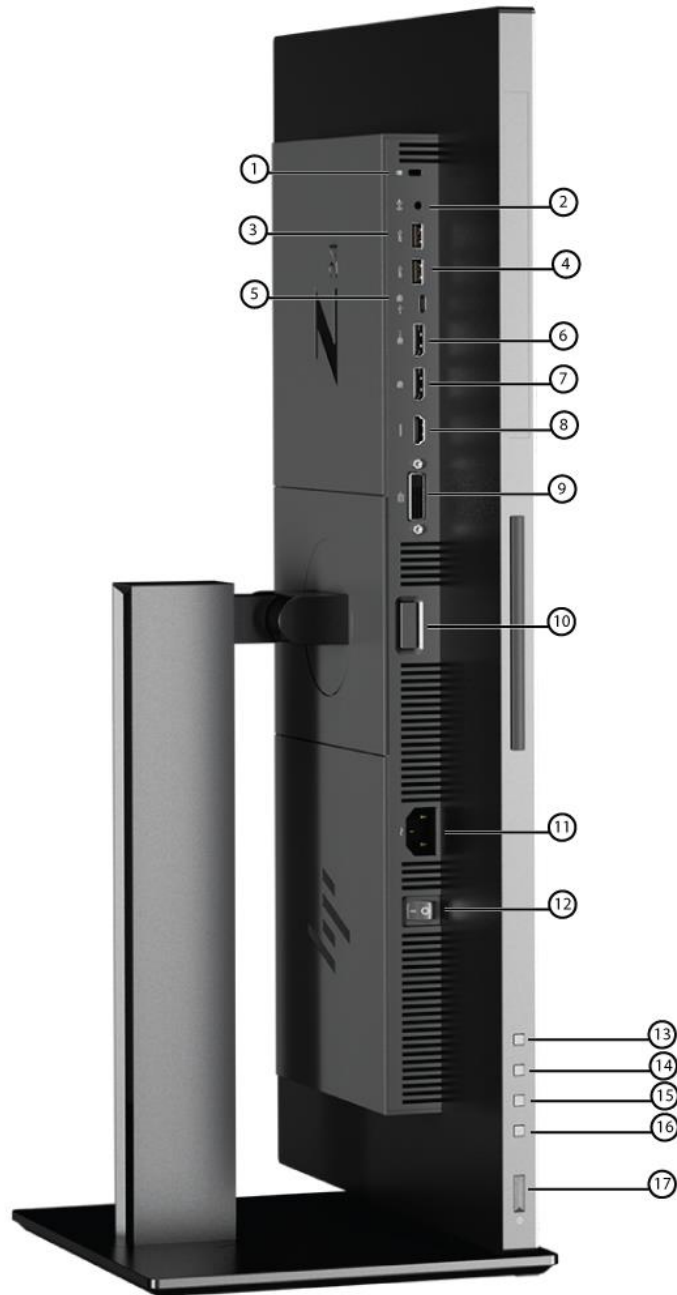
1.	Security Lock Slot	**7.**	DisplayPort™ 1.2 In	**13.**	Menu Button
2.	Audio-out (headphone) Jack	**8.**	HDMI 1.4	**14.**	Minus ("-") Button
3.	USB 3.0 Type-A	**9.**	DVI	**15.**	Plus ("+") Button
4.	USB 3.0 Type-A	**10.**	Monitor Release Button	**16.**	Back/Exit Button
5.	USB Type-C™	**11.**	Power Connector Port	**17.**	Power/Power LED
6.	DisplayPort™ 1.2 Out	**12.**	Power Switch		

Technical Specifications

HP Z24n G2 24-inch Display
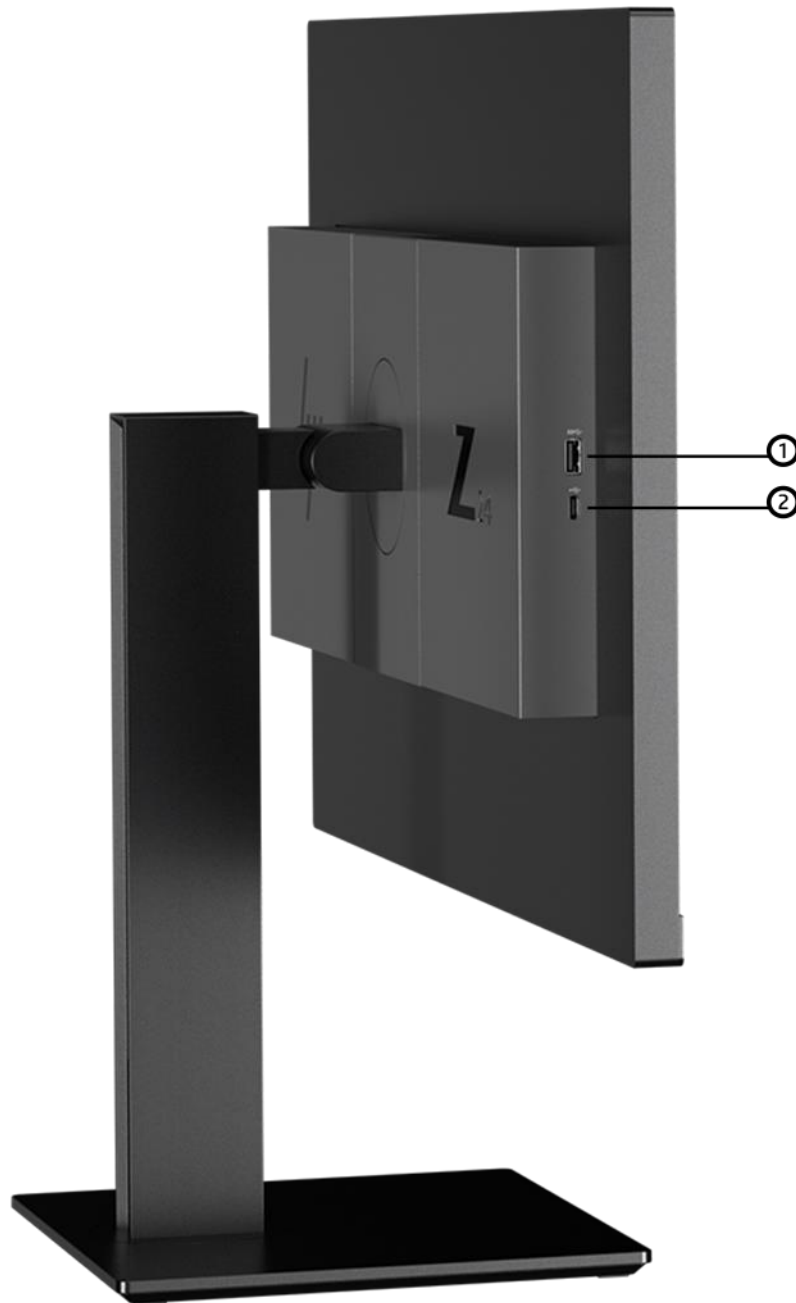
1. USB 3.0 Type-A
2. USB Type-C™

QuickSpecs

Technical Specifications

Models: 1JS09A4, 1JS09A8

Panel Specifications	**Display Size (Diagonal)**	24-inch
	Viewable Image Area (diagonal)	**61,1 cm** (24 in) widescreen; diagonally measured
	Display Panel Type	IPS, LED Backlight
	Micro-Edge Bezel	Yes, 3 sided
	Panel Hardness	3H
	Native Resolution/Timing	1920 x 1200 @ 60 Hz
	Note: The Display can support up to 75Hz refresh for some video modes. The video card of the connected PC must be capable of supporting 75Hz. The preferred Mode is 1920 x 1200 @ 60 Hz.	
	Panel Bit Depth	8 Bit (6 + 2 FRC) 16.7 Million colors
	Aspect Ratio	16:10
	Brightness* - Typical	300 cd/m²
	Static Contrast Ratio* - Typical	1,000:1
	Dynamic Contrast Ratio* - Typical	10,000,000:1
	Flicker Free	Yes
	Pixel Pitch	0.270 mm
	Pixels Per Inch (PPI)	94.07
	Backlight Lamp Life (to half brightness - in hours)	30,000 hours minimum
	Low Blue Light Capable	Yes, user selectable in OSD Menu
	Anti-Glare Panel	Yes. Haze 25%
	Response Time* – Typical	5.8ms Gray to Gray
	* Product default is 14.0ms response time and can be adjusted to as low as 5.8ms in the display menu. See user guide for more information.	
	Horizontal Viewing Angle (typical CR>10)	Up to 178° horizontal (10:1 minimum contrast ratio)
	Vertical Viewing Angle (typical CR>10)	Up to 178° vertical (10:1 minimum contrast ratio)
	Panel Active Area (w x h)	**51,84 x 32,4 cm** (20.41 x 12.76 in)
	Preset Graphic Modes/Supported Resolutions	640 x 480 @ 60Hz, 75Hz
		720 x 400 @ 70 Hz
		800 x 600 @ 60 Hz, 75Hz
		1024 x 768 @ 60 Hz, 75Hz
		1280 x 720 @ 60 Hz
		1280 x 800 @ 60 Hz
		1280 x 1024 @ 60 Hz, 75Hz
		1440 x 900 @ 60 Hz
		1600 x 900 @ 60 Hz
		1680 x 1050 @ 60 Hz
		1920 x 1080 @ 60 Hz
		1920 x 1200 @ 60 Hz, 75 Hz
	Maximum Resolution	1920 x 1200 @ 60 Hz
	Recommended Resolution	1920 x 1200 @ 60 Hz
	Vertical Scan Range	24-75 Hz
	Horizontal Scan Range	27-94 kHz
	Maximum Pixel Clock Speed	200 MHz
Color Gamut Coverage	**Color Gamut (Typical)**	>72% NTSC
	sRGB*	99% sRGB
Color Management	**Factory Color Calibrated**	Yes
	Default Color Temperature	sRGB (D65)
Monitor Specifications	**Exterior Color of Monitor Bezel & Stand**	Black Pearl
	Plug & Play	Yes
	Tilt	-5° to +22° vertical

Technical Specifications

Swivel	Swivel +/- 45
Pivot	Yes, Pivot (Clockwise and Counter Clockwise). Detent at 0 degrees
Height Adjustment Range	Yes, 0 to 150 mm
4-Way Comfort Adjust	Easily adjust the display in height, tilt, swivel and pivot for maximum comfort.
Integrated Quick Release[5]	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.
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.
VESA Mounting	Yes (one set of standard 4-hole pattern, 100 mm).
Security Lock Ready	Yes
Detachable Base	Yes
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.[7]
Zero Bright Dot	Yes

Note: 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.

On Screen Display (OSD)	**On Screen Display User Controls**	Brightness, Contrast, Color Control, Input Control, Image Control, Power Control, Menu Control, Management, Language, Information, Exit
	Monitor Control Buttons or Switches	Menu/OK, Minus button/Down/Color Control, Plus button/Up/Viewing Mode Menu, Exit/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)
Connector Types	**DisplayPort™**	(1) DisplayPort™ 1.2, (1) DisplayPort™ 1.2 out
	HDMI	(1) HDMI 1.4
	DVI-D	(1) DVI-D
	HDCP Support	Yes, DisplayPort™ and HDMI
	Daisy Chain[7]	Yes, via DisplayPort™ Up to 4 Displays at FHD or WUXGA
USB Port Specifications	**USB Version**	3.0
	USB Hub	Yes, 4 downstream ports
	Downstream Ports	(3) USB 3.0 Ports (1) Side USB Type-C™ 3.1 downstream • Power Delivery up to 10 W (5V, 2A)
	Upstream Ports	(1) Rear USB Type-C™ 3.1 upstream • DisplayPort™ 1.2 Video • Power Delivery up to 15 W (5V, 3A)
	USB 3 Type A and USB Type-C™ Data Transfer Rate	5 Gb/s
Special Features	**Picture-in-Picture**	Yes
	Picture-by-Picture	Yes

Technical Specifications

Power & Operating Specs	**Power Supply**	Internal
	Input Power	100 - 240 VAC 50/60 Hz
	Power Consumption – Maximum²	92 W
	Energy Saving/Standby Mode	0.5 W
	Power Consumption – Typical¹	40 W
	Power cable length	1,9 m (6.2 ft)
Energy Star Data	**Operational Mode at 100 VAC**	65.95 KWH/year
	Operational Mode at 115 VAC	65.95 KWH/year
	Operational Mode at 230 VAC	65.95 KWH/year
EU Energy Efficiency Class (EC1062)	**On-mode Power Consumption (EC 1062/2010)**	36 W
	Annual Power Consumption (EC 1062/2010)	53 kWh
	Energy Efficiency Class (EC 1062/2010)	B
Operating Conditions	**Operating Temperature - Celsius**	**5° to 35° C**
	Operating Temperature - Fahrenheit	41° to 95° F
	Non-operating Temperature - Celsius	**-20° to 60° C**
	Non-operating Temperature - Fahrenheit	-4° to 140°
	Operating Humidity	20% to 80% non-condensing
	Non-operating Humidity	5% to 95%, 38.7° C max wet-bulb
	Operating Altitude	**0 to 5,000 m** (16,404 ft)
	Non-operating Altitude	**0 to 12,192 m** (0 to 40,000 ft)
Environmental Features and Certifications	**Mercury-free LED display backlighting**	Yes
	Arsenic-Free Display Glass	Yes
	Low Halogen³	Yes
	Microsoft WHQL Certification	Yes, Windows 7, Windows 10
	ENERGY STAR® Qualified	Yes
	EPEAT® Registered⁶	Yes, Gold
	China Energy Label	CEL Grade 2
	TCO Certified Edge	Yes
	TCO Certified	Yes
	SmartWay Transport Partnership - NA only	Yes
Certification & Compliance	CE, CB, MSIP, Mexico COC, ICES, ISO 9241-307, CU, cTUVus, ISC, CCC, CEL Grade 1, VCCI, FCC, BSMI, WEEE, RCM, ErP, KC/E-Standby, SEPA, GS, TUV-S, TCO, TCO Edge, PSB, Vietnam MEPS, Microsoft WHQL Certification (Windows 7, Windows 10), ENERGY STAR® Qualified, EPEAT® Gold⁶, SmartWay Transport Partnership - NA only	
	Country of Origin	China

		Metric	Imperial
Recycled Plastics	**Back Cover**	85%	
	Base/Stand	85%	
	Other Parts	85% (Deco, Middle Frame)	
	Recyclable Plastics	All	
	Recyclable Packaging (Box, packing materials)	All	
	Unpacked with stand (highest setting) Product Dimensions (W x D x H)	**53,2 x 21,4 x 50,3 cm**	20.9 x 8.4 x19.8 in

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Unit Product/Package Specifications	**Head Only** Product Dimensions (W x D x H)	**53,2 x 4,68 x 35,1 cm**	20.9 x 1.84 x13.8 in
	Base Area Footprint Product Dimensions (W x D x H)	**26.0 x 21.4 cm**	10.2 x 8.5 in
	Packaged Packaged Dimensions (W x D x H)	**62,5 x 42 x 27,3 cm**	24.61 x 16.54 x 10.75 in
	Bezel Measurements	Top: **6,8 mm** Side: **6,8 mm** Bottom: **19,5 mm**	Top: .27 in Side: .27 in Bottom: .77 in
	Product Weight, Packed	**9,9 kg**	21.7 lbs
	Product Weight, Unpacked	**7,2 kg**	15.9 lbs
	Product Weight, Head Only	**4.4 kg**	9.7 lbs

Pallet Information	**Pallet Dimensions (L x W x H mm)**	Pallet A: 1260 x 1110 x 2250 (mm) Pallet B: 1110 x 635 x 2250 (mm)
	Pallet Dimensions (L x W x H inch)	Pallet A: 49.61 x 43.7 x 88.58 (inch) Pallet B: 43.7 x 25 x 88.58 (inch)
	Pallet Total Weight (including units) kg	Pallet A: 410 kg Pallet B: 213 kg
	Pallet Total Weight (including units) lbs	Pallet A: 902 lbs Pallet B: 469 lbs
	Pallet Layers	Pallet A: 5 layers Pallet B: 5 layers
	Pallet Product per Layer	Pallet A: 8 units Pallet B: 4 units
	Total Products per Pallet	Pallet A: 40 units Pallet B: 20 units

What's in the box?	**Monitor**	HP Z24n G2 24-inch Display	
		Metric	**Imperial**
	AC Power Cord	**1,9 m**	6.2 ft
	DisplayPort™ 1.2 Cable	**1,8 m**	5.9 ft
	USB 3.1 C-A Cable	**1,8 m**	5.9 ft

User Guide and Warranty Languages	**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.

Options[5] (Each sold separately)	**HP S100 Speaker Bar** — Part number 2LC49AA	Add rich stereo audio to select 2017 and 2018 HP Commercial Displays[4] without crowding your desk with the USB-powered HP S100 Speaker Bar, which fits neatly underneath the display head.

Technical Specifications

HP B300 PC Mounting Bracket
— Part number 2DW53AA

Attach your HP Workstation, HP Desktop Mini, HP Chromebox or select HP Thin Client directly behind select 2017 and 2018 HP EliteDisplays and HP Z Displays with the HP B300 PC Mounting Bracket.

HP UHD USB Graphics Adapter
— Part number N2U81AA

Just plug the adapter into any USB 2.0 or 3.0 port on your PC and connect the DisplayPort™ connector on the other end to your UHD display.

HP Single Monitor Arm
— Part number BT861AA

The flexible design of the HP Single Monitor Arm provides a seemingly endless range of display adjustments with an amazing 13 inches of lift, 50 degrees of tilt, and 360 degrees of pan and rotation – all at your fingertips -- helping you stay comfortable and productive throughout the day.

HP Adjustable Dual Display Stand
— Part Number AW664AA

Premium space-saving dual screen solution provides access to more monitor real estate and makes it possible to manage multiple applications simultaneously. Weight adjustable for dual monitors from 17-24". Rotate displays into portrait/landscape positions.

HP Business PC Security Lock v2 Kit
— Part Number N3R93AA

Help prevent chassis tampering and secure your PC and display in workspaces and public areas with the HP Business PC Security Lock v2 Kit.

Technical Specifications

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

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Microsoft and Windows are registered trademarks or trademarks of Microsoft Corporation in the U.S. and/or other countries.

ENERGY STAR is a registered trademark owned by the U.S. Environmental Protection Agency.

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. Sold separately. See product QuickSpecs for exact device and display compatibility.
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.
6. EPEAT® registered where applicable/supported. EPEAT registration varies by country. See www.epeat.net for registration status by country.
7. 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.

Technical Specifications

Change Log	
V1 to V2	
1/4/2018	Clarified 8-bit (6+2 FRC)
	Removed Factory Color Calibration Section
V2 to V3	
1/4/2018	Corrected Image for Side Ports
V3 to V4	
5/212018	Color Gamut specs added