*Overview*

## HP Z24n 24-inch Narrow Bezel IPS Display
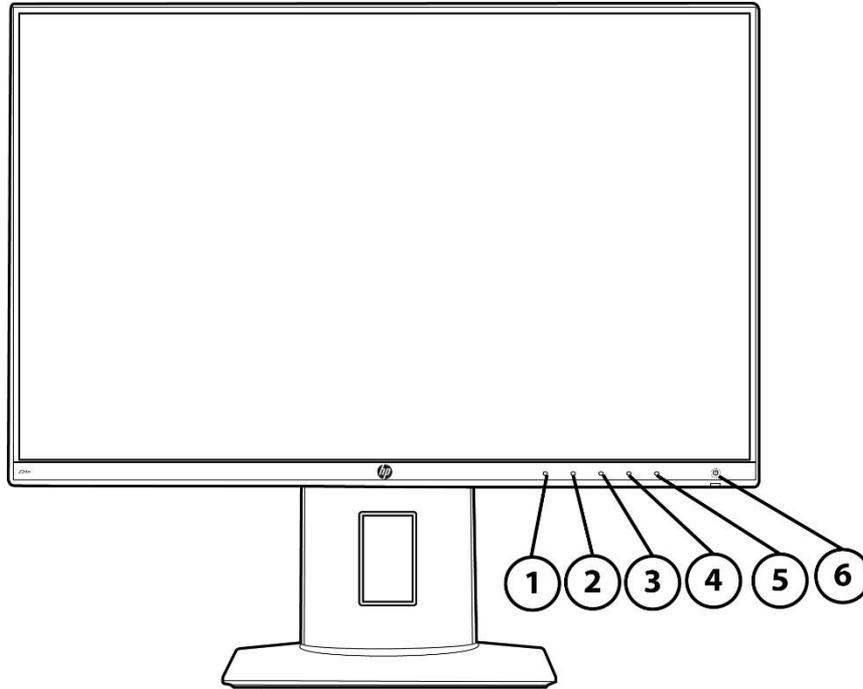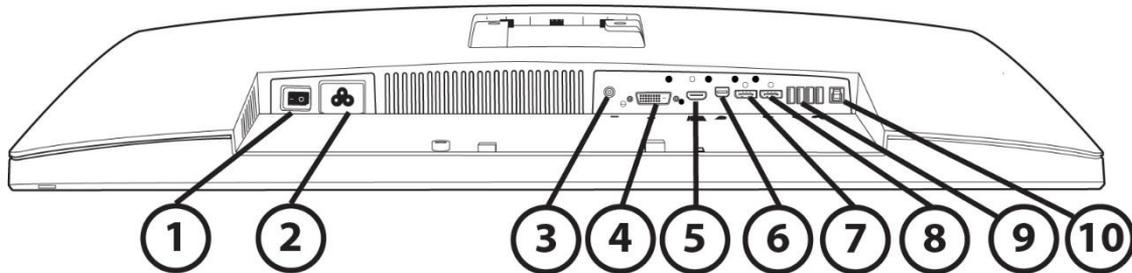
| | | | |
|---|---|---|---|
| **1.** | Menu button | **4.** | Input control |
| **2.** | Luminance | **5.** | Information |
| **3.** | Color control | **6.** | Power button/LED |

| | | | |
|---|---|---|---|
| **1.** | Master power switch | **6.** | Mini-DisplayPort |
| **2.** | Power connector | **7.** | DisplayPort v 1.2 in |
| **3.** | Audio output 3.5 mm | **8.** | DisplayPort v 1.2 out |
| **4.** | DVI-D | **9.** | (4) USB 3.0 downstream ports (one fast charging) |
| **5.** | HDMI v 1.4 input (MHL 2.0) | **10.** | (1) USB 3.0 upstream port |

## Overview

Create a seamless multi-display[1] array with the virtually borderless HP Z24n 24-inch Narrow Bezel IPS Display, which also delivers factory color calibration and flexible connectivity.

## Key features:

- Enjoy stunning high resolution and a three-sided borderless design that maximizes the screen and enables seamless tiling of multiple displays.[1]
- Count on a factory-calibrated 99% sRGB color gamut for reliable, accurate color between displays and projects.
- Connect to multiple display and devices with a range of integrated ports right at the display.
- Use picture-in-picture or picture-by-picture to boost your multi-tasking productivity.
- Work comfortably with customizable tilt, height adjustment, swivel, and pivot settings.
- Get world-class service and support, and extend your protection with optional HP Care Packs.[2]
- Reduce power consumption and help lower your costs with an energy-efficient design.

1   Each display sold separately.
2   Service levels and response times for HP Care Packs may vary depending on your geographic location.  Service starts on date of hardware purchase. Restrictions and limitations apply. For details, visit www.hp.com/go/cpc. HP services are governed by the applicable HP terms and conditions of service provided or indicated to Customer at the time of purchase. Customer may have additional statutory rights according to applicable local laws, and such rights are not in any way affected by the HP terms and conditions of service or the HP Limited Warranty provided with your HP Product.

## Technical Specifications

**Models:** K7B99A4

| Panel | Type | 24-inch IPS w/LED backlight |
|---|---|---|
| | **Viewable Image Area (diagonal)** | **61,13 cm** (24-inch) widescreen; diagonally measured |
| | **Panel Active Area (W × H)** | **51,84 x 32,4 cm** (20.41 × 12.75 in) |
| | **Resolution** | 1920 x 1200 @ 60 Hz |
| | **Aspect Ratio** | 16:10 |
| | **Viewing Angle** | Up to 178° horizontal/178° vertical typical |
| | **Brightness** | 300 cd/m² |
| | **Contrast Ratio (Typical)** | 1000:1 Static; 5,000,000:1 Dynamic (DCR) |
| | **Response Times\*** | 14 ms typical (G-to-G); 8ms with scalar overdrive |
| | **Pixel Pitch** | 0.270 mm |
| | **Pixels Per Inch (PPI)** | 94.3 DPI |
| | **Backlight Lamp Life (to half brightness)** | 30,000 hours minimum |
| | **Color Gamut** | Up to 16.7 million colors with the use of FRC technology |
| | **Color Gamut (Typical)** | 99% sRGB |

\* 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 | Menu, Luminance, Color Control, Input Control, Information |
|---|---|---|
| | **User Programmable Modes** | 20 |
| | **Languages** | 10 (German, S-Chinese, T-Chinese, Japanese, English, Spanish, French, Italian, Netherlands and Portuguese) |
| | **On Screen Display (OSD) User Controls** | Luminance, Color control, Input control, Image Control, PIP control, Power control, OSD Control, Management, Language, Information |
| | **Audio Controls** | N/A |
| **Signal Interface/ Performance** | **Horizontal Frequency** | 30 - 75 kHz |
| | **Vertical Frequency** | 50 - 60 Hz |
| | **Native Resolution** | 1920 x 1200 @ 60 Hz |
| | **Preset Graphic Modes (non-interlaced)** | 640 x 480 @ 60Hz<br>800 x 600 @ 60 Hz<br>1024 x 768 @ 60 Hz<br>1280 x 720 @ 60 Hz<br>1280 x 800 @ 60 Hz<br>1280 x 1024 @ 60 Hz<br>1440 x 900 @ 60 Hz<br>1600 x 900 @ 60 Hz<br>1600 x 1200 @ 60 Hz<br>1680 x 1050 @ 60 Hz |

## Technical Specifications

| | | | |
|---|---|---|---|
| **Video/Other Inputs** | | 1920 x 1080 @ 60 Hz<br>1920 x 1200 @ 60 Hz | |
| | **Maximum Pixel Clock Speed** | 170 MHz | |
| | **Anti-Glare** | Yes | |
| | **Plug and Play** | Yes | |
| | **Input/Output Connectors** | (1) DVI-D | |
| | | (1) MHL 2.0[1]/HDMI 1.4 | |
| | | (1) DisplayPort 1.2, (1) Mini-DisplayPort, (1) DisplayPort 1.2 out | |
| | | HDCP support on all inputs | |
| | **USB** | 4 USB 3.0 [4 downstream (one fast charging), 1 upstream] | |
| | **Video Cables Included** | (1) DisplayPort **1,8 m** (5.9 ft)  (1) Mini-DisplayPort **1,8 m** (5.9 ft) (1) USB 3.0 **1,8 m** (5.9 ft) | |
| | **Audio** | (1) Audio output 3.5mm | |
| **Multimedia** | **Speakers** | N/A | |
| **Power** | **Power Supply** | Internal | |
| | **Input Power** | 100 - 240 VAC 50/60 Hz | |
| | **Maximum Power** | 70 W | |
| | **Typical Power** | 36  W | |
| | **Sleep Power** | 0.5W (standby) | |
| | **Power Cable Length** | **1,8 m** (5.9 ft) | |
| **Mechanical** | **Dimensions** (W × D × H) | **Unpacked w/stand** | **53.38 x 21.01 x 52.02 cm** 21.01 x 8.27 x 20.4 in (max height) |
| | | **Unpacked w/o stand** (head only) | **53.38 x 4.93 x 35.11 cm** (21.01 x 1.94 x 13.82 in) |
| | | **Packaged** | **63.2 x 25 x 44 cm** (24.88 x 9.84 x 17.32 in) |
| | **Weight** | **Head Only** | **3,87 kg** (8.51 lb) |
| | | **Unpacked** | **5,78 kg** (12.71 lb) |
| | | **Packaged** | **7,38 kg** (16.25 lb) |
| **Ergonomic Features** | **Detachable Stand** | Yes, ships detached | |
| | **Height Adjustment** | Yes, 130 +/-3 mm | |
| | **Tilt Range** | -5° to + 22° vertical | |
| | **Swivel** | Yes, 45° +/-2° | |
| | **Pivot** | Yes, 90° | |
| | **Quick Release**[5] | HP QR2 quick release included | |
| **Environmental** | **Temperature - Operating** | **5° to 35° C** (41° to 95° F) | |
| | **Temperature - Non-operating** | **−20° to 60° C** (-4° to 140° F) | |

*Technical Specifications*

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|---|---|---|
|  | **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 Halogen²** | Yes (except cables) |
|  | **Mercury-Free Display Backlighting** | Yes |
| **Options** | **HP LCD Speaker Bar**—Part number NQ576AA | Powered directly by the connected PC, the Speaker Bar seamlessly attaches to the monitor's lower bezel to bring full audio support to select HP flat panel monitors. Features include dual speakers with full sound range and dual external headphone jacks. Sold separately. For more information, refer to the product's QuickSpecs. |
|  | **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, 75 degrees of tilt, and 360 degrees of pan and rotation – all at your fingertips -- helping you stay comfortable and productive throughout the day. |
|  | **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 Quick Release Bracket—** Part number EM870AA⁵ | 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. |
|  | **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?** | **Monitor and Accessories** | HP Z24n 24-inch Narrow Bezel IPS Display, AC power cord 1,8 m (5.9 ft), DisplayPort cable 1,8 m (5.9 ft), Mini-DisplayPort cable 1,8 m (5.9 ft),  USB 3.0 cable 1,8 m (5.9 ft) |
|  | **Documentation** | CD (includes user guide, warranty, drivers) |
|  | **Software** | HP Display Assistant |
| **Other** | **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. |
|  | **Color** | Black |

## *Technical Specifications*

| | | |
|---|---|---|
| | **VESA Mounting** | 100 mm VESA mount |
| | **Security Lock-Ready** | Yes |
| | **Country of Origin** | China |
| **Certification and Compliance** | TCO Certified, TCO Certified EDGE, CEL Grade 1, ENERGY STAR® Qualified, EPEAT® Gold[3], CB, TUV/GS, TUV/Ergo, TUV-S, UL, CCC, CECP, SEPA, BSMI, CE, FCC(Canada), BSMI ,KC ,VCCI ,C-Tick, Microsoft WHQL Certification (Windows 8.1, Windows 8, and Windows 7); SmartWay Transport Partnership (NA) | |
| **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] | |

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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. Power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.
3. EPEAT® registered where applicable.  EPEAT® registration varies by country. See www.epeat.net for registration status in your country.
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 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.

# QuickSpecs

*Change Log*

| Change Log | |
|---|---|
| July 14, 2015 From V1 to v2 | |
| | Changed |
| | Change DVI- Dual Link to DVI-D in two places. |
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