Datasheet

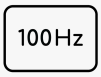
# HP Series 5 Pro 24 inch WUXGA Monitor - 524pn

## Reimagine what work looks like

Get more out of your workday with the HP Series 5 Pro 24” WUXGA Monitor. Create the setup that works for the way you work, wherever you work, with refined visual clarity and adjustable comfort built into a sleek, modern design.



*Product image may differ from actual product



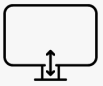

### Elevate your productivity

See more of your work and get more done on this 24" WUXGA resolution monitor. A lightning-fast 100 Hz refresh rate[1] brings out every detail. Elevate your view even more by experiencing bright, vibrant, consistent colors with 100% sRGB[1] and HP Progressive White Balance.[2]



### Designed to inspire

Change the way you see your desk. See more of your display with the 3-sided borderless with micro-edge bezel design. To get even more done, pair this display with another HP Series 5 Pro 24" WUXGA monitor[4] and a dock[3] for the perfect dual display setup[13].



### Take control of your comfort

Find a way to feel your best all day with 4-way adjustability optimized by the step-by-step Ergonomic Setup Guide[5] in HP Display Center[9]. Keep your eyes comfortable with HP Eye Ease by reducing blue light without impacting color.

## Sustainability in action

Materials that make an impact

This monitor's enclosure contains at least 90% recycled plastic content[6] and ships in certified or recycled sources of paper packaging.[7]

works with chromebook

epeat GOLD

ENERGY STAR

# HP Series 5 Pro 24 inch WUXGA Monitor - 524pn





## Featuring

**16:10 WUXGA Resolution**
Get 11% more screen with WUXGA 1920x1200 resolution and 16:10 aspect ratio.[1,12]

**IPS Technology**
No matter where you are or sit, IPS technology ensures image accuracy and consistency across wide 178-degrees horizontal and vertical viewing angles.[1]

**100 Hz Refresh Rate**
With a 100 Hz refresh rate this monitor is capable of clear details, smoothly moving from frame to frame, allowing for fast split-second reaction time.[1]

**More Contrast**
See the nuanced differences of color, shadow, and highlights thanks to the enhanced 1500:1 contrast ratio.[1]

**High Brightness**
350 nits of brightness lets you see clearly. Enhance your visual performance for work or simply enjoying entertainment.[1]

**100% sRGB Color Gamut**
Enjoy highly accurate colors on screen with 100% sRGB. This HP monitor provides ideal color reproduction with minimal effort.[1]

**Progressive White Balance**
Work better with content that looks the same on both screens. Progressive White Balance is an HP technology that provides consistent white-point matching from screen-to-screen.[2]

**Sleek Design, Clean Space**
See and do more on your screen with a 3-sided borderless with micro-edge bezel design that maximizes your viewing area for a sleek design and virtually seamless dual-monitor setups.

**More Ports. Easily Accessible.**
More ports means more capabilities. With HDMI 1.4, DisplayPort™ 1.2, USB-B (upstream), and 4 USB-A 3.2 ports, you can connect multiple devices. Easy rear-facing design makes connecting a breeze.[8]

**Endless Adjustability**
With 4-way adjustability you can customize pivot, tilt, height adjust, and swivel settings to fit you, your desk, and your needs.

**Always-on, True Color, Low-Blue Light Filter**
HP Eye Ease is an always-on, low-blue light filter that helps keep your eyes comfortable throughout the day by reducing blue light without impacting color accuracy or adding a yellow color shift.

**Ergonomic Setup Guide**
With world-class ergonomic practices at your fingertips, you have the knowledge to fine-tune your display's 4-way adjustability to achieve optimal comfort, all day, thanks to the step-by-step Ergonomic Setup Guide in HP Display Center.[5,9]

**HP Display Center**
Customize your monitor with the intuitive HP Display Center that lets you tailor your settings, partition screens, and more—all through the host PC. Plus, learn how to find your perfect posture with help from the included HP Ergonomic Setup Guide.[5,9]

**Works with Chromebook Certified**
The Works With Chromebook badge on a device means it's optimized to work with your Chromebook and other Chrome OS devices. Enjoy a seamless experience across Works With Chromebook certified accessories.[10]

**Increased Energy Efficiency**
HP is committed to helping protect our shared future by minimizing the energy our monitors consume to help reduce energy demand. This monitor is held to the highest energy saving standard with an ENERGY STAR® rating and EPEAT® Gold Registration.[11]

# HP Series 5 Pro 24 inch WUXGA Monitor - 524pn

## Specifications

### Display specifications

| | |
|---|---|
| Display size | 61 cm (24")[1] |
| Viewable diagonal size | 24" (61.13 cm) |
| Aspect ratio | 16:10[1] |
| Curvature | Flat |
| Native resolution | WUXGA (1920 x 1200)[1,2] |
| Resolution (maximum) | WUXGA (1920 x 1200 @ 100 Hz) [1] |
| Resolutions supported | 640 x 480 @ 60 Hz; 640 x 480 @ 75 Hz; 720 x 400 @ 70 Hz; 800 x 600 @ 60 Hz; 800 x 600 @ 75 Hz; 1024 x 768 @ 60 Hz; 1280 x 720 @ 60 Hz; 1280 x 1024 @ 60 Hz; 1440 x 900 @ 60 Hz; 1600 x 900 @ 60 Hz; 1680 x 1050 @ 60 Hz; 1920 x 1080 @ 50 Hz; 1920 x 1080 @ 60 Hz; 1920 x 1080 @ 100 Hz; 1920 x 1200 @ 60 Hz; 1280 x 1024 @ 75 Hz; 720 x 480 @ 60 Hz; 720 x 576 @ 50 Hz; 1024 x 768 @ 75 Hz; 1280 x 720 @ 50 Hz; 1280 x 720 @ 100 Hz; 1280 x 800 @ 60 Hz; 1920 x 1080 @ 75 Hz; 1920 x 1200 @ 75 Hz; 1920 x 1200 @ 100 Hz |
| Panel type | IPS; LCD[1] |
| Bezel | 3-sided borderless with micro-edge bezel |
| Panel active area | 51.84 x 32.4 cm |
| Panel bit depth | 8 bit (6 bit + FRC)[1] |
| Display colors | Up to 16.7 million colors supported[1,3] |
| Display color gamut | 100% sRGB |
| Refresh rate (maximum) | 100 Hz |
| Display scan frequency | 50-100 Hz (Vertical)[1]; 30-130 kHz (Horizontal)[1] |
| Response time | 5ms GtG (with overdrive)[1] |
| Brightness | 350 nits[1] |
| Contrast ratio | 1500:1 (Static)[1] 10000000:1 (Dynamic)[1] |
| Pixel pitch | 0.27 x 0.27 mm[1] |
| Pixels per inch (ppi) | 94 ppi |
| Viewing angle | 178° (Vertical) 178° (Horizontal) |
| Backlight type | Edge-lit; WLED |
| Backlight lamp life | 30,000 hours |
| Display User Control Options | Brightness+; Color; Image; Input; Power; Menu; Management; Information; Exit |
| Management software | HP Display Center; HP Client Management Script Library |
| Low blue light modes | HP Eye Ease (TÜV Low Blue Light Hardware Solution certified)[1] |
| Flicker-free | Yes |
| Screen treatment | Anti-glare |
| Hardness | 3H[1] |
| Haze | 25% |
| VESA mount | 100 x 100 mm |
| Adjustability | Height adjustment range: 150 mm<br>Tilt: -5 to +23°<br>Swivel: ±45°<br>Pivot: ±90° |
| Camera | No integrated camera |
| Special features | Progressive white balance; Works with Chromebook |

### Connectivity and communications

| | |
|---|---|
| Port and connectors | 1 HDMI 1.4<br>1 DisplayPort™ 1.2<br>4 USB Type-A 5Gbps signaling rate (1 charging)<br>1 USB-B |
| HDCP | Yes, DisplayPort™ and HDMI |
| Power supply | 100 - 240 VAC 50/60 Hz (Internal) |

# HP Series 5 Pro 24 inch WUXGA Monitor - 524pn

## Specifications

### Appearance

| | |
|---|---|
| Product color | Jet black bezel; Jet black rear cover |
| Stand color | Silver; Jet black |
| Physical security | Standard lock slot[5] |
| Base area footprint | 24.2 x 18.95 cm |
| Dimensions without Stand (W x D x H) | 53.28 x 4.7 x 34.29 cm (without stand) |
| Dimensions with stand (W x D x H) | 53.28 x 18.95 x 51.75 cm |
| Weight | 5.1 kg (with stand) |
| Packaged Dimensions (W x D x H) | 62.1 x 14 x 41.1 cm |
| Packaged weight | 7.4 kg (with stand) |

### Certification and compliance

| | |
|---|---|
| Energy efficiency class (SDR) | C   |
| Standby mode power demand | 0.5 W |
| Energy efficiency | ENERGY STAR® certified |
| TCO certified | TCO Certified, generation 10; TCO Certified, Edge[17] |
| EPEAT registered | EPEAT registered with Climate+[7] |
| Sustainable impact specifications | At least 85% ITE-derived closed loop plastic; Contains ocean-bound plastic; At least 30% recycled metal including 90% recycled aluminum in the stand; Contains 20% recycled glass in the monitor panel; Molded paper pulp cushion inside box is made of 100% recycled or certified sources; Low halogen; Outside box and corrugated cushions are made of 100% recycled or certified sources[8,9,10,11,12,14] |
| Certifications | BIS; BSMI; CB; CCC; CE; CECP; CEL; cTUVus; EAC; FCC; GS Mark; ICES; ISO 9241-307; KC; KCC; NOM; PSB; RCM; SEPA; TUV-S; VCCI; WEEE; ISC; California Energy Commission (CEC); WW application; UAE; TGM; Ukraine certificates; NRCS; PSE; Ukraine EE; TÜV Low Blue Light Hardware Solution certified; Works with Chromebook certified; Korea MEPS; CEL Grade 2; Australian-New Zealand DoC; EMF |
| Microsoft WHQL certification | Windows 11; Windows 10[16] |
| Environmental | Operating temperature range: 5 to 35°C<br>Operating humidity: 20 to 80% RH (non-condensing)<br>Non-operating humidity: 5–95%<br>Operating altitude: Up to 5,000 m<br>Non-operating altitude: Up to 12,192 m |

### Additional information

| | |
|---|---|
| Product Numbers | 9D9A7AA - 524pn (with stand); 9D9A7E9 - 524pn (5 years warranty); 9D9A7A5 - 524pn (PVC free) |
| Manufacturer Warranty | HP three-year limited warranty |
| What's in the box | Monitor; DisplayPort™ cable; HDMI cable; Warranty card; USB Type-B to A cable; Quick Setup Poster; AC power cord[4] |
| Country of origin | Made in China and Vietnam |

# HP Series 5 Pro 24 inch WUXGA Monitor - 524pn

## Accessories and services (not included)

**HP Desktop Mini v4+ VESA Sleeve**



Wrap your HP Desktop Mini PC in the HP Desktop Mini v4+ VESA Sleeve to securely mount it—with or without an Expansion Module[1,2]—behind your display, position the solution on a wall, and lock it down with the integrated security bracket and optional HP Ultra-Slim Cable Lock.
**Product number: 99T54AA**
[1] Sold separately. Expansion Modules are compatible with the HP Desktop Mini v4+ VESA Sleeve (99T54AA). See product QuickSpecs for exact configurations.
[2] Requires HP Quick Release Monitor Arm for selected models. Please contact your Sales agent or HP Service for further guidance.

**HP B560 PC Mounting Bracket**



Create a compact workspace with the HP B560 PC Mounting Bracket. Attach your HP Desktop Mini PC[1] behind select E-Series G5[2], Series 5 Pro[3], or Series 7 Pro[4] monitors for a fully adjustable, space-saving solution.
**Product number: 763U8AA**
[1] Compatible with Desktop Mini PCs and Workstations that have a 100 mm x 100 mm VESA mount. Use included spacer kit to allow compatibility with HP Thin Clients that have a 100 mm x 100 mm VESA mount.
[2] Compatible with the following E-Series monitors: E22 G5, E24 G5, E24t G5, E24q G5, E27 G5, E27q G5, E24u G5, E27u G5, E27k G5, and E32k G5, E45c G5.

**HP S101 Speaker Bar**



Add rich stereo audio to select E-Series monitors, Series 5 Pro monitors and P-Series monitors[1] and keep a clean, clutter-free desk with the HP S101 Speaker Bar, which fits neatly underneath the display head and connects through USB.
**Product number: 5UU40AA**
[1] Compatible with select E-Series, P-Series, and Series 5 Pro monitors monitors. Please check detailed compatibility on accessory datasheet.
[2] HP includes a one-year limited warranty with online support available 24x7. Consult the HP Customer Support Center for details, or go to www.hp.com/go/orderdocuments. Internet access required and not included.

**HP Business PC Security Lock v3 Kit**



Help prevent chassis tampering and secure your PC and display in workspaces and public areas with the affordable HP Business PC Security Lock v3 Kit.
**Product number: 3XJ17AA**

**HP Quick Release Monitor Single Arm**



Enjoy more comfort and space with the HP Quick Release Monitor Arm. Easily mount and quickly release select E-Series G5[1], Series 5 Pro[2], and Series 7 Pro[3] monitors to maximize workday comfort and desk space.
**Product number: 762U0AA**
[1] Compatible with select HP P Series, Series 3 Pro, E Series, Series 5 Pro, and Series 7 Pro monitors. Please check detailed compatibility on accessory datasheet.
[2] Requires monitor VESA adapter for selected models. Please contact your Sales agent or HP Service for further guidance.

# HP Series 5 Pro 24 inch WUXGA Monitor - 524pn

## Footnotes

## Messaging Footnotes

[1] All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary, either higher or lower.
[2] HP's Progressive White Balance feature is designed to calibrate 100% full white on HP Series 5 Pro monitors. This adjustment is intended to align the white point more closely among various HP Series 5 Pro monitors. However, due to the nature of monitors, perceptible differences in the white color may still occur when the monitors are viewed from varying angles.
[3] Dock sold separately. Both HP Series 5 Pro 24" WUXGA - 524pn monitors need to be connected to the dock for a dual display setup.
[4] HP Series 5 Pro 24" WUXGA - 524pn monitor sold separately.
[5] Ergonomic Setup Guide is available through HP Display Center. Host PC requires Windows 10 or higher. HP Display Center is available on the Microsoft store.
[6] Recycled plastic is expressed as a percentage of the total weight plastic. Post-consumer recycled is based on the definition set in the EPEAT criteria. Recycled metal is expressed as a percentage of the total weight metal as per defined in the EPEAT criteria.
[7] HP paper and fiber based packaging for PCs, displays, home and office print, and supplies is reported by suppliers as recycled or certified, with a minimum of 97% by volume verified by HP. Packaging is the box that comes with the product and all paper-based materials inside the box. Packaging for personal systems accessories and spare parts is not included.
[14] Based on internal testing of HP Series 7 Pro and HP Series 5 Pro monitors with USB Type-C® or HDMI connections to devices on macOS and Windows, March 2024 and September 2024. Requires USB Type-C® or HDMI connectivity. Some features may not be supported.
[8] AC Power cable, HDMI cable, DisplayPort™ cable, and USB 3.2 A-B cable included. All other cables sold separately.
[9] Host PC requires Windows 10 or higher. HP Display Center is available for download on the Microsoft store for Windows or support.hp.com for Windows and MacOS.
[10] This product works with devices capable of running the latest version of Chrome OS and has been certified to meet Google's compatibility standards. Google is not responsible for the operation of this product or its compliance with safety requirements. Chromebook and the Works With Chromebook badge are trademarks of Google LLC.
[11] Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. Status varies by country. Visit www.epeat.net for more information. EPEAT® is a world class ecolabel for electronics and technology products. EPEAT® Gold with Climate+ registered products have met rigorous criteria and been independently verified to assure they have been thoughtfully designed with the planet in mind. With EPEAT Climate+, you're not just choosing products; you're choosing a movement towards corporate responsibility and climate action. This product has been verified to meet ENERGY STAR® requirements.
[12] Based on comparison against a 23.8-inch FHD (1920 x 1080) resolution monitor.
[13] Configuration may vary based on port availability of host PC. Two video inputs, HDMI or DisplayPort, needed for a dual display setup.

## Technical Specifications Footnotes

[1] All specifications represent the typical specifications provided by HP's component manufacturers, actual performance may vary either higher or lower.
[2] DisplayPort™ 1.2 or HDMI 1.4 required to drive panel at its native resolution. The video card of the connected PC must be capable of supporting 1920 x 1200 at 60 Hz with 8-bit color using one DisplayPort™, HDMI. The video card of the connected PC must be capable of supporting 1920 x 1200 and include one DisplayPort™ or one HDMI outputs to drive the monitor at the Preferred Mode.
[3] Number of colors through A-FRC technology.
[4] Included cables may vary by country.
[5] Lock sold separately.
[6] Host PC requires Windows 10 and above. HP Display Center is available on the Microsoft store.
[7] EPEAT® registered where applicable. EPEAT® registration varies by country. See www.epeat.net for registration status by country. Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. Status varies by country. Visit www.epeat.net for more information.
[8] External power supplies, WWAN modules, power cords, cables and peripherals excluded. Service parts obtained after purchase may not be Low Halogen.
[9] Molded pulp cushions are made from 100% recycled wood fiber and organic materials.
[10] 100% outer box packaging and corrugated cushions made from sustainably sourced certified and recycled fibers.
[11] Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 standard.
[12] Recycled metal is expressed as a percentage of the total weight of the metal according to ISO 14021 definitions for metal parts over 25 grams.
[13] HP's Progressive White Balance feature is designed to calibrate 100% full white on HP Series 5 Pro monitors. This adjustment is intended to align the white point more closely among various HP Series 5 Pro monitors. However, due to the nature of monitors, perceptible differences in the white color may still occur when the monitors are viewed from varying angles.
[14] Percentage of recycled glass in the monitor panel varies by product. Recycled glass is expressed as a percentage of the total weight of the glass.
[15] The Client Management Script Library must be downloaded to the connected PC to run CMSL commands. Some limitations may apply to legacy displays. Visit support.hp.com to download HP CMSL.
[16] Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers, software or BIOS update to take full advantage of Windows functionality. Windows is automatically updated and enabled. High speed internet and Microsoft account required. ISP fees may apply and additional requirements may apply over time for updates. See http://www.windows.com.
[17] TCO Certified is a ISO 14024 Type 1 sustainability label for IT products. Compliance with all criteria is independently verified.

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