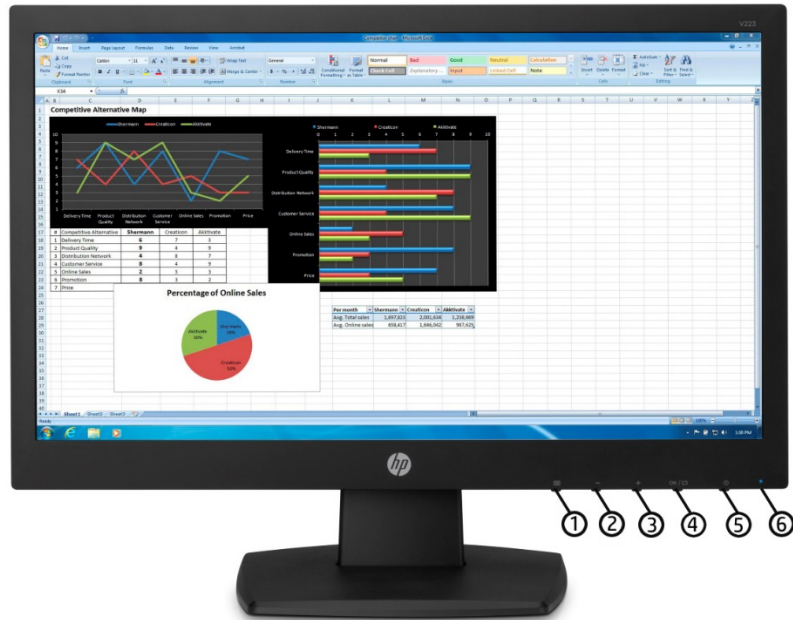


Overview

HP V223 21.5-inch Monitor



- 1. Menu:** Opens, selects or exits the OSD menu.
- 2. Minus "-":** If the OSD menu is on, press to navigate backward through the OSD menu and decrease adjustment levels.
- 3. Plus "+":** Select input source. If the OSD menu is on, press to navigate forward through the OSD menu and increase adjustment levels.
- 4. OK:** If the OSD menu is on, press to select the highlighted menu item. If the OSD menu is inactive, press to activate the auto adjustment feature to optimize the screen image.
- 5. Power:** Turns the monitor on or off.
- 6. Power LED:** fully powered = green; sleep mode = amber; sleep timer mode = flashing amber.



Use two HP V223 21.5-inch monitors with an HP Adjustable Dual Display Stand (AW664AA) for a small footprint, high productivity work solution.

Overview

(Multi-monitor support depends on your PC capability.
Monitors, stands, keyboard, mouse and notebook are sold separately.)

Overview

Easily multi-task across your documents and e-mail with the HP V223 21.5-inch Monitor, a budget-friendly display that's just right for everyday business.

Key features:

- Enjoy crisp, clear views with Full HD 1920 x 1080 resolution and 5 ms response time¹ on an ample 21.5-inch diagonal screen.
- Mount your HP Desktop Mini 260² directly behind the display for an integrated, affordable workspace that's perfect for small spaces. Or, use the integrated VESA mount to place the display on a wall or stand.²
- Get legacy compatibility with a VGA connector, or use DVI to connect to your newer technology.
- Reduce power consumption and help lower your costs with an intelligent, energy-efficient design that is ENERGY STAR[®] certified and EPEAT[®] Gold registered.³ The display also includes mercury-free display backlights and arsenic-free display glass.
- Customize your display's position with adjustable tilt settings and viewing angles.
- Rest assured that your IT investment is supported by a three-year standard limited warranty. To extend your protection, select optional HP Care Packs.⁴

1. All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.
2. Compatible with HP Desktop Mini 260 G1 and G2, sold separately. HP Quick Release required and sold separately. Mounting hardware sold separately. Options sold separately.
3. EPEAT[®] registered where applicable. EPEAT registration varies by country. See www.epeat.net for registration status in your country.
4. Sold separately. 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

Part numbers

V5G70AA/ V5G70A6/ V5G70A8/ V5G70A3

Panel	Type	TN with LED backlight
	Viewable Image Area	54,6 cm (21.5-inch) widescreen; diagonally measured
	Active Area (W x H)	47,66 x 26,81 cm (18.76 x 10.55 in)
	Aspect Ratio	16:9
	Viewing Angle (typical)	Up to 90° horizontal/65° vertical typical
	Brightness (typical)*	200 cd/m ²
	Contrast Ratio (typical)*	600:1
	Dynamic Contrast Ratio (typical)*	5,000,000:1
	Response Times*	5 ms typical (on/off)
	Pixel Pitch	0.248 x 0.248 mm
	Pixels Per Inch (PPI)	102.3
	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 Support**	72% NTSC

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

** With the use of FRC technology.

User Controls	Buttons or Switches	Menu, Minus ("-"), Plus ("+"), OK, Power
	User Programmable Modes	20
	Languages	10 (English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, T-Chinese and S-Chinese)
	On Screen Display (OSD) User Controls	Brightness, Contrast, Color, Image Control, OSD control, Management, Language, Information, Factory Reset
	Audio Controls	N/A
Signal Interface/ Performance	Horizontal Frequency	30 - 80 kHz
	Vertical Frequency	50 - 60 Hz

Technical Specifications

	Native Resolution	1920 x 1080 @ 60Hz	
	Preset Graphic Modes (non-interlaced)	640 x 480 @ 60Hz 800 x 600 @ 60 Hz 1024 x 768 @ 60 Hz 1280 x 720 @ 60 Hz 1280 x 800 @ 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 @ 60 Hz	
	Maximum Pixel Clock Speed	170 MHz	
	Anti-Glare	Yes	
Video/Other Inputs	Plug and Play	Yes	
	Input/Output Connectors	(1) VGA (1) DVI-D (HDCP support)	
	USB	N/A	
	Video Cables Included	(1) VGA cable 1,5 m (4.9 ft)	
	Audio	N/A	
Multimedia	Speakers	N/A	
Power	Power Supply	Internal	
	Input Power	100 - 240 VAC 50/60 Hz	
	Maximum Power	25 W	
	Typical Power	15 W	
	Sleep Power	0.5 W	
	Power Cable Length	1,5 m (4.9 ft)	
Mechanical	Dimensions (W × D × H)	Unpacked w/stand	50,92 x 20,7 x 38,98 cm (20.04 x 8.15 x 15.35 in)
		Unpacked w/o stand (head only)	50,92 x 4,54 x 31,80 cm (20.05 x 1.79 x 12.52 in)
		Packaged	56,7 x 12,6 x 39,6 cm (22.32 x 4.96 x 15.59 in)

Technical Specifications

	Weight	Head Only	3 kg (6.6 lbs)
		Unpacked	3,3 kg (7.28 lbs)
		Packaged	4,5 kg (9.92 lbs)
Ergonomic Features	Detachable Stand	Yes, ships detached	
	Height Adjustment	N/A	
	Tilt Range	-5° to + 20° vertical	
	Swivel	N/A	
	Pivot	N/A	
Environmental	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% non-condensing	
	Humidity - Non-operating	5% to 95%, 38.7° C max wet-bulb	
	Altitude - Operating	0 to 5,000 m (0 to 16,400 ft)	
	Altitude – Non-operating	0 to 12,192 m (0 to 40,000 ft)	
	White LED Backlights	Yes	
	Arsenic-Free Display Glass	Yes	
	Low Halogen⁴	Yes	
	Mercury-Free Display Backlights	Yes, Mercury-free backlights	
Options	HP Quick Release Bracket — Part number EM870AA ¹	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 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 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.	

Technical Specifications

	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 V223 21.5-inch diagonal monitor AC power cord 1,5 m (4.9 ft) VGA cable 1,5 m (4.9 ft)
	Documentation	Printed documentation
	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, Latin America, Bahasa Indonesian, Portuguese, Hebrew.
Other	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, Latin America, Bahasa Indonesian, Portuguese, Hebrew.
	Color	Black
	VESA Mounting	Yes, one set of standard 4-hole pattern, 100 mm.
	Security Lock-Ready	Yes, one security lock slot available
	Country of Origin	China
Certification and Compliance	CEL Grade 1, ENERGY STAR® Qualified, EPEAT® Gold ³ registered, CE, CB, KC, KCC, NOM, PSB, ICES, TUV-S, CCC, CEL, CECP, SEPA, EPA, ISC, VCCI, FCC, ETL, TUV-GS, TUV, MEPS, BSMI, EAC, ISO 9241-307, Microsoft WHQL Certification (Windows 8.1 and Windows 7)	
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 limited warranties. ² *Warranty term may vary by region.	

1. 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.

Technical Specifications

2. 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.
3. EPEAT® Gold where HP registers commercial display products. See www.epeat.net for registration status in your country.
4. External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.

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Change Log

Date of change:	Version History:		Description of change:
March 28, 2017	From v1 to v2	Update	EPEAT certification changed from Silver to Gold