Overview

HP ProDisplay P223a 21.5-inch Monitor

1.	Menu button	**4.**	OK/Auto,
2.	Minus ("-")	**5.**	Power button/LED
3.	Plus ("+") /Input Control		

Your ideal office configuration begins with two HP ProDisplay P223a monitors combined with an HP Adjustable Dual Display Stand (AW664AA) for a small footprint, high productivity work solution.*

HP ProDisplay P223a and HP Adjustable Dual Display Stand dual monitor configuration shown. (Note: monitors and stands sold separately)

*NOTE: Multi-monitor support is dependent on your system. Check your user guide or technical specifications for compatibility. Optional accessories may be required.

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Put your HP Pro PC content front and center on an ample 21.5-inch diagonal display with the HP ProDisplay P223a 21.5-inch Monitor.

Key features:

- Enjoy stereo audio at the display—no external speakers required!
- Share your content in crisp, clear color on the 21.5-inch diagonal screen with 1920 x 1080 resolution, and 3000:1 contrast ratio.[1]
- Experience stunning FHD picture quality, ultra-fast graphics refresh, and vivid colors with DisplayPort™.
- Attach your HP PC or select HP Thin Client directly behind the display.[2]
- Reduce power consumption and help lower your costs with an energy-efficient design.
- Get a stable product lifecycle and minimum one-year lifespan, plus Global Series availability around the world.
- Free up valuable desk space with mounting options[3] enabled by the 100-mm VESA pattern.
- Customize a total solution with options[3] designed for your display.
- Design the screen for how you work with HP Display Assistant software, which enables screen partitioning and helps deter theft.
- Rest assured that your IT investment is supported by a three-year standard limited warranty. Add HP Care services[4] to extend your protection beyond the standard limited warranties.

1. All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.
2. Requires HP Quick Release, sold separately. See product QuickSpecs for exact PC and thin client compatibility.
3. Each accessory sold separately. Mounting hardware sold separately. Head only model sold separately and availability varies by region.
4. HP Care Pack Services are sold separately. 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. 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:
X7R62AA - HP ProDisplay P223a 21.5-inch Monitor

Panel		
	Type	21.5-inch VA w/LED backlight
	Viewable Image Area (diagonal)	**54,61 cm** (21.5-inch) widescreen; diagonally measured
	Panel Active Area (W × H)	**47,6 x 26,7 cm** (18.74 × 10.51 in)
	Resolution	1920 x 1080 @ 60 Hz
	Aspect Ratio	16:9
	Viewing Angle	Up to 178° horizontal/178° vertical typical
	Brightness	250 cd/m²
	Contrast Ratio (Typical)	3000:1 Static; 5,000,000:1 Dynamic (DCR)
	Response Times*	5 ms typical (gray to gray)
	Pixel Pitch	.248 mm
	Pixels Per Inch (PPI)	102.4 DPI
	Backlight Lamp Life (to half brightness)	30,000 hours minimum
	Color Support	Up to 16.7 million colors with the use of FRC technology
	Color Gamut (Typical)	72%

* 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, Minus ("-"), Plus ("+")/Input Control, OK/Auto, Power
	Languages	10 (English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, T-Chinese and S-Chinese)
	On Screen Display (OSD) User Controls	Brightness, Contrast, Input Control, Color Control, Image Control, Power Control, OSD control, Management, Language, Information, Exit
	User Programmable Modes	Yes, 10
	Audio Controls	N/A

Signal Interface/ Performance		
	Horizontal Frequency	24-80 kHz
	Vertical Frequency	50-60 Hz
	Native Resolution	1920 x 1080 @ 60 Hz
	Preset Graphic Modes (non-interlaced)	640 x 480 @ 60Hz
		720 x 400 @ 70Hz
		800 x 600 @ 60Hz
		1024 x 768 @ 60Hz
		1280 x 720 @ 60Hz
		1280 x 800 @ 60Hz
		1280 x 1024 @ 60Hz
		1440 x 900 @ 60Hz

Technical Specifications

		1600 x 900 @ 60Hz 1680 x 1050 @ 60Hz 1920 x1080 @ 60Hz	
	Anti-Glare	Yes	
Video/Other Inputs	**Plug and Play**	Yes	
	Input Connectors	(1) DisplayPort™ 1.2, (1) VGA	
		HDCP support on DisplayPort™	
	USB	N/A	
	Video Cables Included	(1) DisplayPort™ **1,8 m** (5.9 ft) (1) VGA **1,8 m** (5.9 ft)	
	Audio	(1) 3.5mm Audio Input	
Multimedia	**Speakers**	(2)1 W per channel speakers	
Power	**Power Supply**	Internal	
	Input Power	100 – 240 VAC 50/60 Hz	
	Maximum Power	30 W	
	Typical Power	22 W	
	Sleep Power	0.5 W	
	Power Cable Length	**1,9 m** (6.2 ft)	
Mechanical	**Dimensions** (W × D × H)	**Unpacked w/stand** (highest setting)	**51,5 x 19,12 x 38,9 cm** (20.28 x 7.53 x 15.32 in)
		Unpacked w/o stand (head only)	**51,5 x 5,49 x 32,7 cm** (20.28 x 2.16 x 12.87 in)
		Packaged	**58,9 x 14 x 42 cm** (23.19 x 5.51 x 16.54 in)
	Weight	**Head Only**	**2,9 kg** (6.4 lb)
		Unpacked with stand	**3,5 kg** (7.7 lb)
		Packaged	**4,7 kg** (10.4 lb)
Ergonomic Features (not available on head only model)	**Detachable Stand**	Yes, ships detached	
	Height Adjustment	N/A	
	Tilt Range	-5° to + 22° 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 16,404 ft)	
	Altitude – Non- operating	**0 to 12,192 m** (0 to 40,000 ft)	

Technical Specifications

	White LED Backlights	Yes
	CCFL Panel	No
	Arsenic-Free Display Glass	Yes
	Low Halogen[1]	Yes (except cables)
	Mercury-Free Display Backlighting	Yes
Options (each sold separately)	**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 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 LCD Monitor Quick Release — Part number EM870AA[4]	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 V2 Kit — Part number N3R93AA	Help prevent chassis tampering and secure your PC and display in workspaces and public areas. Simply route the cable through the PC's lock slot and your display, anchor to a desk, table, or other fixed surface, and lock with your individual key. A master key configuration is also available upon request.
What's in the box?	**Monitor and Accessories**	HP ProDisplay P223a 21.5-inch Monitor, AC power cord (1.9 m) 6.2 ft, DisplayPort™ cable (1.8 m), VGA 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
	VESA Mounting	100 mm VESA mount
	Security Lock-Ready	Yes
	Country of Origin	China

Technical Specifications

Certification and Compliance	TCO Certified, CEL Grade 2, Microsoft WHQL Certification (Windows 10, Windows 8.1, Windows 7), ENERGY STAR® Qualified, EPEAT® Gold[2], CE, CB , KC, KCC, NOM, PSB, ICE, TUV-S, CCC, CECP, SEPA, EPA, ISC, VCCI, FCC, Taiwan: BMSI, SmartWay Transportation Partnership for NA Model
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.[3]

1. External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.
2. EPEAT ® registered where applicable. EPEAT registration varies by country. See www.epeat.net for registration status by country. See HP's 3rd party option store for solar energy accessory http://www.hp.com/go/options.
3. 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.
4. 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.

Change Log

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From v1 to v2	Updated optional security lock model