Technical Specifications

HP P21b G4 FHD Monitor

Front

1. **OSD Buttons**
2. **Power Button (With power light)**

QuickSpecs

Technical Specifications

HP P21b G4 FHD Monitor

Back

1. **Power connector**
2. **HDMI port**
3. **VGA port**
4. **Audio-in**
5. **Security slot**

Technical Specifications

Models: 9TY24AA, 9TY24AS, 9TY24AT, 9ZF90AA, 9ZF90AS, 3F566AV

Panel Specifications	Display Size (Diagonal)	**20.7-inch**
	Panel Technology	**TN**
	Curved Panel	**No**
	Refresh rate	**60 Hz**
	Panel bit depth	**8 bit**
	Aspect ratio	**16:9**
	Brightness (Typical)	**250 cd/m²**
	Contrast Ratio (Typical)	**600:1**
	Contrast Ratio Minimum (Static)	**450:1**
	Dynamic Contrast Ratio	**8 M:1 (min.)**
	Flicker Free	**Yes**
	Pixel Pitch	**0.2385 x 0.2385 mm**
	Pixels Per Inch (PPI)	**106.42**
	Backlight Lamp Life Minimum (to half brightness - in hours)	**30k minimum**
	Backlight Type	**Edge-lit**
	Screen Treatment	**Anti - glare**
	Hardness	**3 H**
	Haze	**25%**
	Response Time (Typical)	**5 ms on/off**
	Horizontal Viewing Angle (typical CR>10)	**90°**
	Vertical Viewing Angle (typical CR>10)	**65°**
	Panel Active Area (w x h)	**457.92 x 257.58 mm**

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

Color Gamut Coverage	NTSC	**72% NTSC**

Color Management	Calibrated Color Presets	**Native**
	Color Space / Subsampling Support	**RGB 4:4:4, YCBCR 4:4:4, YCBCR 4:2:2**
	RGB Channel Adjust	**Yes, Gain**
	Integrated Calibration Instrument	**No**
	Standalone / Schedulable Calibration	**No**
	Scriptable Calibration	**No**
	Default Color Temperature	**Neutral (6500K)**

Monitor Specifications	Bezel	**Standard**
	Color	**Black Head**
	Tilt	**-5° to + 20°**
	Swivel	**No Swivel**
	Pivot	**No Pivot**
	Height Adjust Range	**No height adjust**
	Vesa Mounting	**100 mm x 100 mm (bracket included)**
	Integrated Privacy Filter	**No**

QuickSpecs

HP P21b G4 FHD Monitor

Technical Specifications

	Security Lock Ready	**Standard Security Lock Slot**
	Detachable Stand	**Yes**
	Warranty (number of years)	**3/3/0: AMS; EMEA**
	Low Blue Light Mode	**Yes (TÜV certified)**
	Zero Bright Dot Warranty	**No**
	Touch - Enabled	**No touch - enabled**
	Webcam	**No integrated webcam**
	Windows Hello Compatible	**No**
	Microphone	**No microphone**
	Speaker Output Power	**2 x 1 W**
	On screen display	**Button**
	Native Resolution	**Full HD (1920 x 1080)**
	Maximum Resolution	**1920 x1080 @ 60 Hz**
	Preset Graphic Modes / Supported Resolutions	**11**
	Minimum Vertical Scan Rate	**50 Hz**
	Maximum Vertical Scan Rate	**60 Hz**
	Minimum Horizontal Scan Rate	**30.0 kHz**
	Maximum Horizontal Scan Rate	**80.0 kHz**
	Maximum Pixel Clock	**170 MHz**
	User Programmable Modes	**20**
	User – Assignable Function Buttons	**Yes, 3 buttons**
	Audio	**Built-in speakers**
	Languages	**10 (English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, T-Chinese and S-Chinese)**
Connector Types	HDMI	**1 HDMI 1.4**
	VGA	**1 VGA**
	Audio Port	**1 Line – in**
	Ethernet	**No**
	HP DreamColor USB Ports	**No**
	KVM Keyboard Port	**No**
Special Features	Picture – in – Picture, Picture – by-Picture	**No**
	Switch	**No**
	Remote Manageability	**No**
	User Presets	**No**
Power and Operating Specs	Power Supply	**Internal**
	Power Source	**100 – 240 VAC 50 / 60 Hz**
	Power Consumption - Max	**26 W**
	Energy Saving/Standby Mode	**0.5 W**
	Power Consumption - Typical	**23.5 W**
Energy Star Data	Operational Mode at 100 VAC	**11.36 W**
	Operational Mode at 115 VAC	**11.23 W**
	Operational Mode at 230 VAC	**11.32 W**
EU Energy Efficiency Class (EC1062)	On-mode Power Consumption (EC 1062/2010)	**12 W**
	Annual Power Consumption (EC 1062/2010)	**18 kWh**

QuickSpecs

Technical Specifications

		Metric	Imperial
	Energy Efficiency Class (EC 1062/2010)	**A +**	
Operating Conditions	Operating Temperature – Celsius	**5° - 35° C**	
	Operating Temperature – Fahrenheit	**41° - 95° F**	
	Non - operating Temperature – Celsius	**-20° - 60° C**	
	Non - operating Temperature – Fahrenheit	**-4° - 140° F**	
	Operating Humidity	**20 – 80% Relative Humidity (non-condensing)**	
	Non-operating Humidity	**5 – 95%**	
	Operating Altitude	**0 – 5,000 m (16,400 ft.)**	
	Non-operating Altitude	**0 – 12,192 m (40,000 ft.)**	
Environmental Features and Certifications	Mercury-free LED display backlighting	**Yes, Mercury-free LED backlighting**	
	Arsenic – Free Display Glass	**Yes**	
	Agency Approvals and Certifications	**WW application** **CE, CB, KC/KCC/e-standby/BIS/ICE/TUV-Bauart/ISO 9241-307/EUP Lot5/EUP Lot6/cTUVus/CCC/CEL/CECP/SEPA/TCO/Energy Star/PSB/ISC/EAC/UkrSEPRO/Mexico MEPS/NOM-NYCE/Low Blue Light/VCCI/FCC/C-tick/BSMI/Vietnam MEPS/Australian-New Zealand MEPS/South Africa MEPS/Ukraine Energy label/CEC/TGM/WEEE/Japan PC Green Label**	
	Microsoft WHQL Certification	**Yes**	
	ENERGY STAR® Certified	**Yes**	
	EPEAT® Registered	**Yes**	
	Regions need to verify by country		
	China Energy Label	**CEL Grade 2**	
	TCO Certified	**Yes**	
	SmartWay Transport Partnership -NA only	**Yes (NA sku)**	
Contains Recycled Plastics	Contains Recycled Plastics	**35% recycle ABS**	
Unit Product / Package Specifications	Product Dimensions (Unpacked with stand) (W x D x H)	**49.03 x 18.61 x 37.41 cm**	**19.3 x 7.3 x 14.7 in**
	Product Dimensions (Packed) (w x d x h cm)	**54 x 12.3 x 34.5 cm**	**21.26 x 4.84 x 13.58 in**
	Display Head Dimensions (Unpacked without stand) (W x D x H)	**49.03 x 4.63 x 29.41 cm**	**19.3 x 1.8 x 11.6 in**
	Base Area Footprint (w x d)	**186 x 186.11 mm**	**7.3 x 7.3 in**
	Bezel Measurements	**top: 13.36 mm** **side: 15.26 mm** **bottom: 21.31 mm**	**top: 0.52 in** **side: 0.6 in** **bottom: 0.84 in**
	Product Weight (Unpacked with stand)	**2.65 kg**	**5.8 lb**
	Product Weight (Packed)	**3.4 Kg**	**7.5 lb**
	Product Weight (Head Only)	**2.35 Kg**	**5.2 lb**

Technical Specifications

Accessories Included	What's in the box?	AC power cord VGA Cable (1.5 m) Audio Cable (1.8m) DOC Kit (includes Product Notice, warranty)
User guide / Warranty languages	User Guide Languages	English, Arabic, Bahasa Indonesia, Brazilian Portuguese, Czech, Danish, Dutch, Finnish, French, German, Greek, Hebrew, Hungarian, Italian, Japanese, Kazakh, Korean, Norwegian, Polish, Portuguese (Iberian), Russian, S. Chinese, Slovak, Slovenian, Spanish, Swedish, T. Chinese, Turkish, Ukrainian, Lithuanian, Romanian, Bulgarian and Latvian
	Warranty Languages	English, Arabic, Bahasa Indonesia, Brazilian Portuguese, Czech, Danish, Dutch, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Kazakh, Korean, Norwegian, Polish, Portuguese (Iberian), Russian, S. Chinese, Slovak, Slovenian, Spanish, Swedish, T. Chinese, Turkish, Ukrainian, Lithuanian, Romanian, Bulgarian and Latvian

Summary

Change Log			
	V1 to V2		