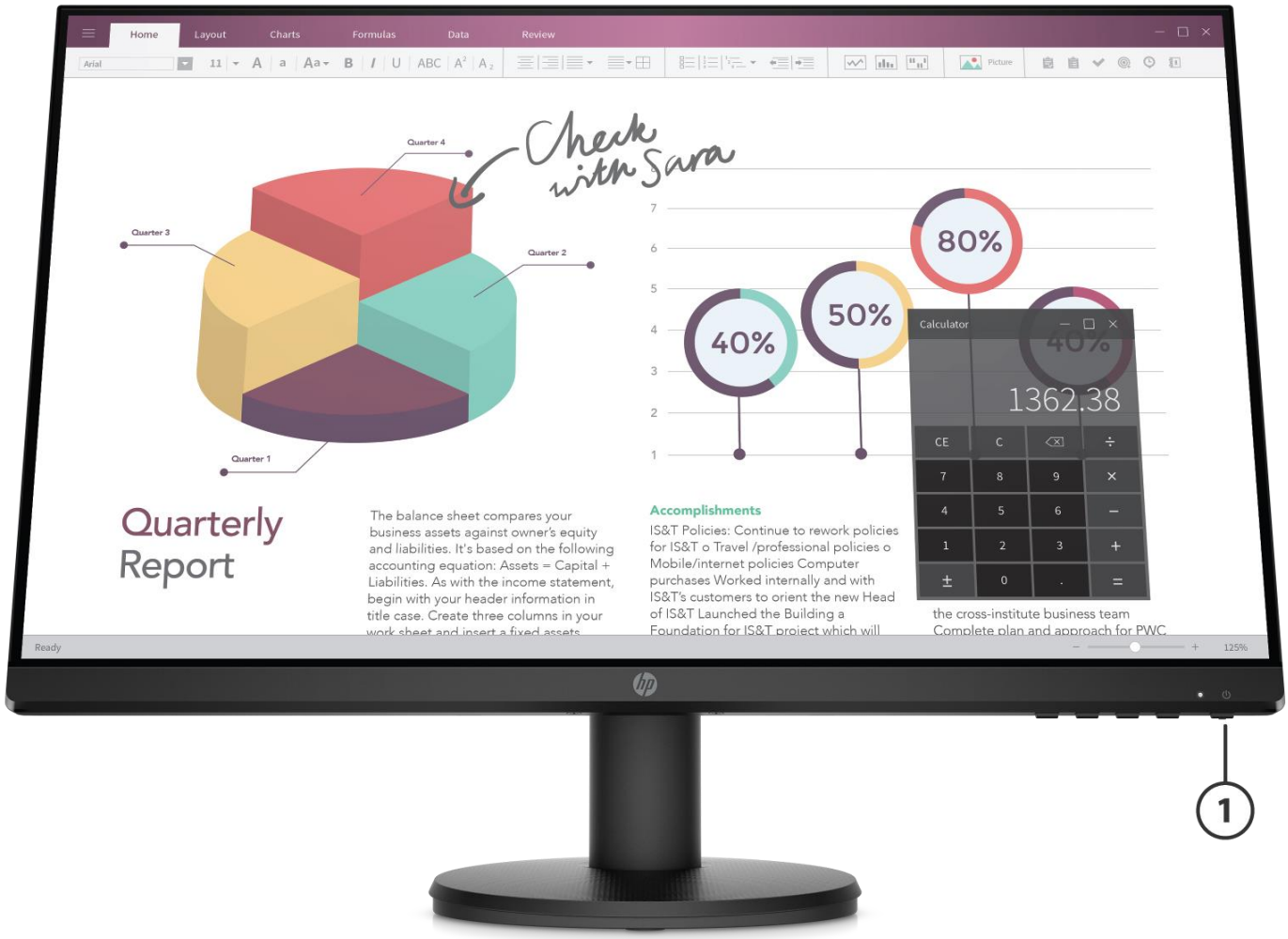
Technical Specifications

HP P24v G4 FHD Monitor



Front

1. **Power Button (With power light)**

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Back

1. **Power Button**
2. **OSD Buttons**
3. **Power Connector**
4. **HDMI Port**
5. **VGA Connector**
6. **Security Cable Slot**

Technical Specifications

Models: **9TT78AA, 9TT78A6, 9TT78A7, 9TT78AS, 9TT78AT, 3F564AV**

Panel Specifications	*Display Size (Diagonal)*	**23.8-inch**
	Panel Technology	**IPS**
	Curved Panel	**No**
	Refresh Rate	**60 Hz**
	Panel Bit Depth	**8 bit**
	Aspect Ratio	**16:9**
	Brightness - Typical	**250 cd/m²**
	HDR Peak Brightness - Typical	**N**
	Static Contrast Ratio - Typical	**1000:1**
	Static Contrast Ratio - Minimum	**700:1**
	Dynamic Contrast Ratio	**8M:1 (min.)**
	Contrast Ratio (HDR)	**N**
	Flicker Free	**Yes**
	Pixel Pitch	**0.2745 X 0.2745 mm**
	Pixels Per Inch (PPI)	**92.56**
	Backlight Lamp Life (to half brightness - in hours)	**30k minimum**
	Backlight Type	**Edge - lit**
	Screen Treatment	**Anti - glare**
	Hardness	**3H**
	Haze	**25%**
	Response Time - Typical	**5ms GtG (with overdrive)**
	Horizontal Viewing Angle (typical CR>10)	**178°**
	Vertical Viewing Angle (typical CR>10)	**178°**
	Panel Active Area (w x h)	**527.04 x 296.46 mm**
	Variable Refresh Technology	**N**
	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%**
Color Management	*Factory 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*	**3 – sided Micro Edge**
	Color	**Black Head**
	Tilt	**-5° to + 22°**
	Swivel	**No Swivel**
	Pivot	**No Pivot**
	Height Adjust Range	**No height adjust**
	VESA Mounting	**100 mm x 100 mm (bracket included)**

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	Integrated Privacy Filter	**No**
	Security Lock Ready	**Standard Security Lock Slot**
	Detachable Stand	**Yes**
	Warranty	**3/3/0: AMS; EMEA; APJ-TW, ANZ, JPN, VIET, THAI** **3/3/3: APJ-PRC, INDIA**
	Low Blue Light Mode	**Yes (TÜV certified)**
	Zero Bright Dot Warranty	**No**
	Touch - Enable	**Not touch - enabled**
	Webcam	**No integrated webcam**
	Windows Hello Compatible	**No**
	Microphone	**No microphone**
	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 k Hz**
	Maximum Horizontal Scan Rate	**80.0 k Hz**
	Maximum Pixel Clock	**170 M Hz**
	User Programmable Modes	**20**
	User – Assignable Function Buttons	**Yes, 3 buttons**
	Audio	**No audio**
	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**
	Ethernet	**No**
	HP DreamColor USB Ports	**No**
	KVM Keyboard Port	**No**
Special Features	*Picture – in – Picture, Picture – by – Picture*	**No**
	Switch	**No**
	User Presets	**No**
Power and Operating Specs	*Power Supply*	**Internal**
	Power Source	**100 – 240 VAC 50 / 60 Hz**
	Power Consumption - Maximum	**26 W**
	Energy Saving/Standby Mode	**0.5 W**
	Power Consumption - Typical	**23.5 W**
Energy Star Data	*Operational Mode at 100 VAC*	**11.39 W**
	Operational Mode at 115 VAC	**11.28 W**
	Operational Mode at 230 VAC	**11.36 W**
EU Energy Efficiency Class (EC1062)	*On-mode Power Consumption (EC 1062/2010)*	**17 W**
	Annual Power Consumption (EC 1062/2010)	**24K Wh**
	Energy Efficiency Class (EC 1062/2010)	**A +**

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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 backlights**	
	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® Qualified	**Yes**	
	EPEAT® Registered	**Yes** *Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. Status varies by country. Visit www.epeat.net for more information.*	
	China Energy Label	**CEL Grade 2**	
	TCO Certified	**Yes**	
Contains Recycled Plastics	*Contains Recycled Plastics*	**35% recycled ABS**	
		Metric	**Imperial**
Unit Product/Package Specifications	*Product Dimensions (Unpacked with stand) (W x D x H)*	**53.96 x 18.61 x 40.5 cm**	**21.2 x 7.3 x 15.9 in**
	Product Dimensions (Packed)	**58.8 x 12.3 x 37.3 cm**	**23.15 x 4.84 x 14.69 in**
	Display Head Dimensions (Unpacked without stand) (W x D x H)	**53.96 x 4.76 x 32.5 cm**	**21.24 x 1.87 x 12.8 in**
	Base Area Footprint (w x d)	**186 x 186.11 mm**	**7.3 x 7.3 in**
	Bezel Measurements	**top: NA side: NA bottom: 20.8 mm**	**top: NA side: NA bottom: 0.81 in**
	Product Weight (Unpacked with stand)	**3.46 Kg**	**7.62 lb**
	Product Weight (Packed)	**4.7 Kg**	**10.34 lb**
	Product Weight (Head Only)	**3.14 Kg**	**6.9 lb**

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What's in the box?	*What's in the box?*	**AC power cord** **VGA Cable (1.5m)** **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**

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Summary

Change Log			
	V1 to V2		