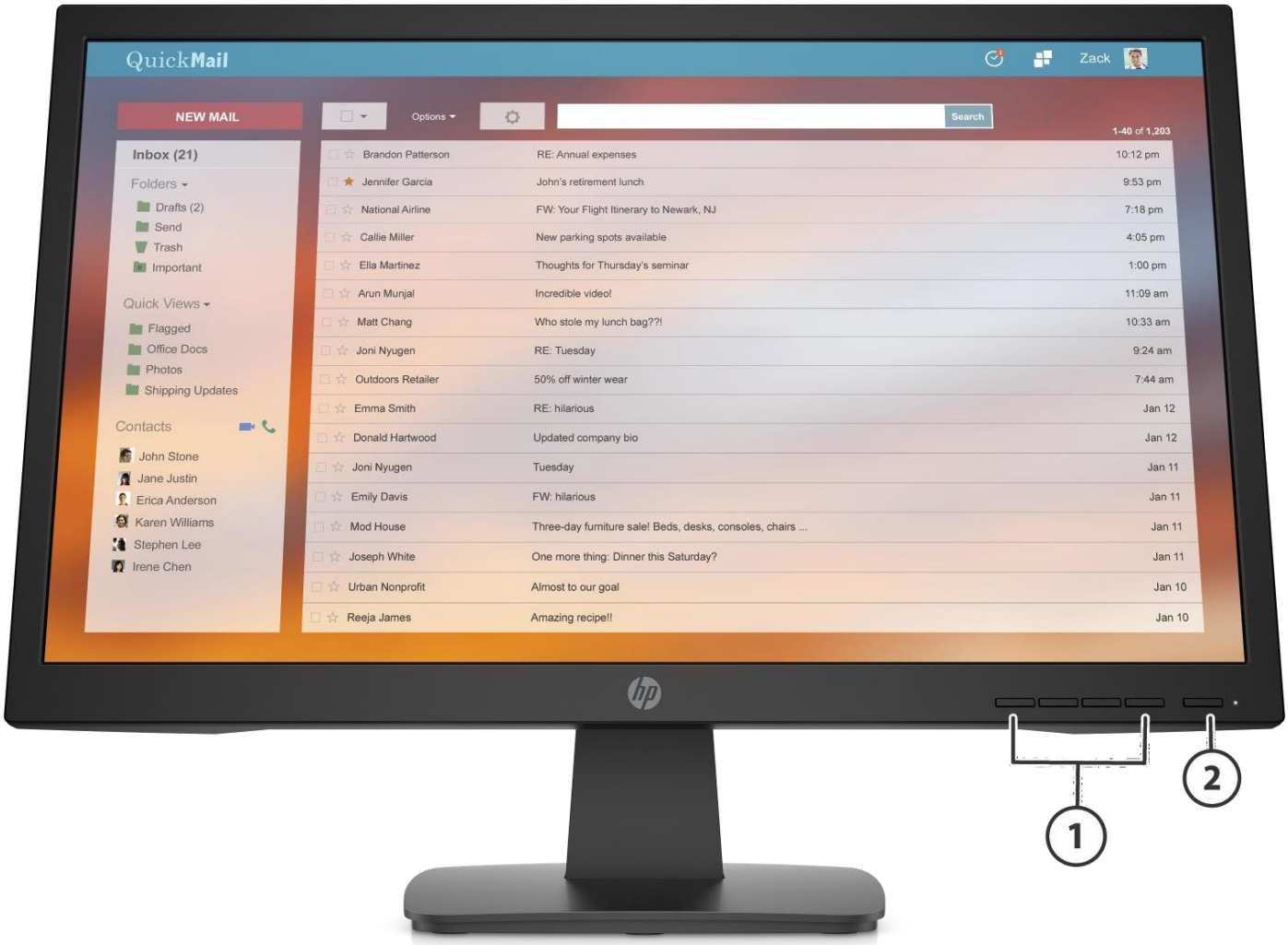
Technical Specifications

HP P22v G4 FHD Monitor

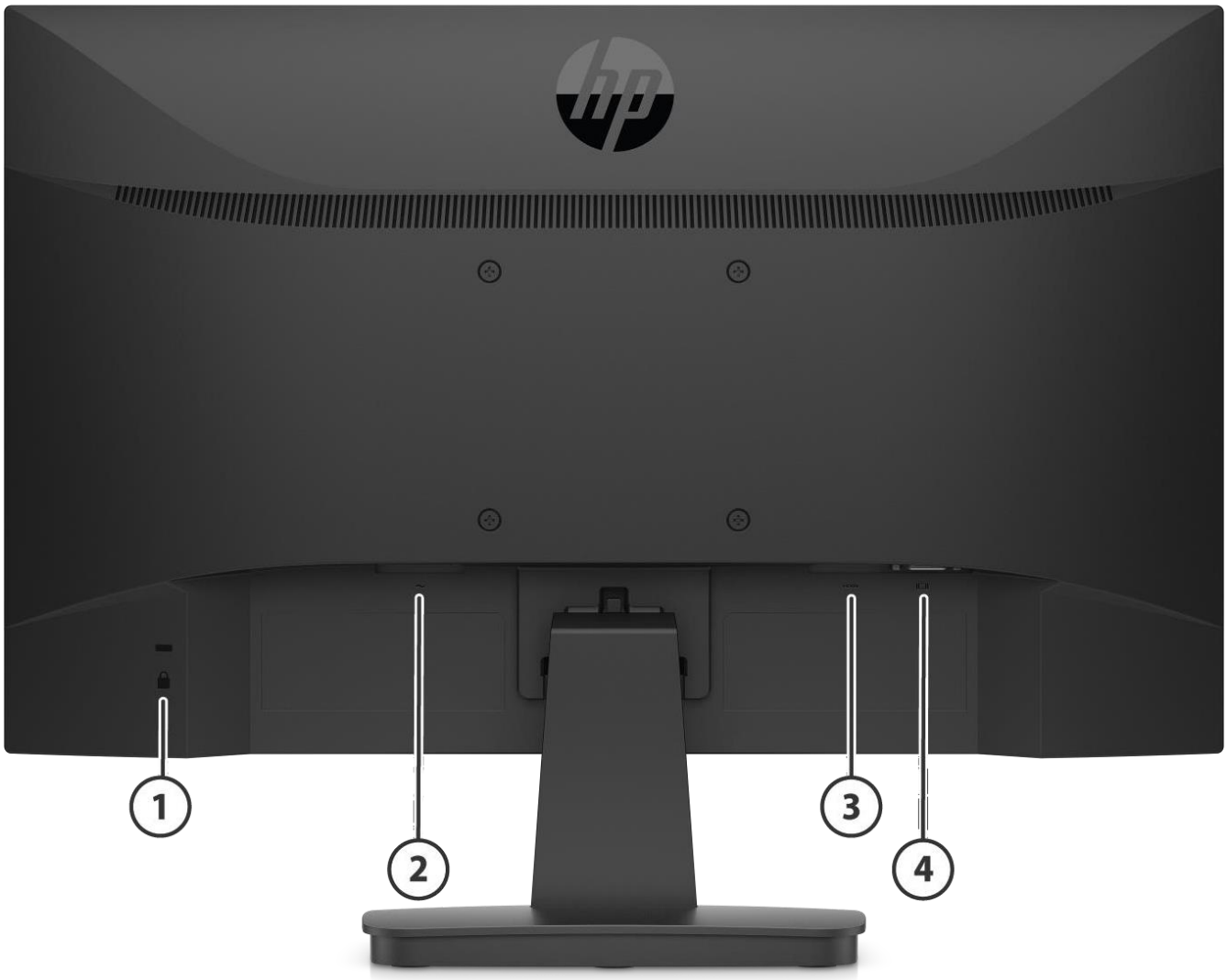


Front

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

Technical Specifications

HP P22v G4 FHD Monitor THOR



Back

1. Security Cable Slot
2. Power Connector
3. HDMI Port
4. VGA Connector

Technical Specifications

Models: 9TT53AA/9TT53A6/9TT53A7/9TT53AS/9TT53AT/9TT53AV

Panel Specifications	**Display Size (Diagonal)**	21.5-inch
	Panel Technology	TN
	Curved Panel	No
	Refresh Rate	60 Hz
	Panel Bit Depth	8 bit
	Aspect Ratio	16:9
	Brightness - Typical	250 nits
	Static Contrast Ratio	1000:1
	Static Contrast Ratio - Minimum	700:1
	Dynamic Contrast Ratio	8M:1 (min.)
	Flicker Free	No
	Pixel Pitch	0.24825 x 0.24825mm
	Pixels Per Inch (PPI)	102
	Backlight Lamp Life (to half brightness - in hours)	30 k minimum
	Backlight Type	Edge-lit
	Screen Treatment	Anti-glare
	Hardness	3H
	Haze	25%
	Response Time - Typical	5ms on/off
	Horizontal Viewing Angle (typical CR>10)	170°
	Vertical Viewing Angle (typical CR>10)	160°
	Panel Active Area (w x h)	476.64mm x 268.11mm
	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	**Calibrated Color Presets**	Native
	Color Space / Subsampling Support	No
	RGB Channel Adjust	Yes, Gain
	Integrated Calibration Instrument	No
	Standalone / Schedule 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 Adjustment Range	No height adjust
	VESA Mounting	100mm x 100mm
	Integrated Privacy Filter	No

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	Security Lock Ready	Standard Security Lock Slot
	Detachable Stand	Yes
	Warranty (number of years)	V22 (1/0/0 for AMS ,1/1/0APJ ,3/3/3 for EMEA) P22v G4(3/3/0 or 3/3/3)
	Low Blue Light Mode	Yes (TÜV certified)
	Zero Bright Dot Warranty	No
	Touch-Enabled	Not touch-enabled
Multimedia	**Webcam**	No integrated webcam
	Windows Hello Compatible	No
	Microphone	No Microphone
On Screen Display (OSD)	**Native Resolution**	Full HD (1920 x 1080)* *Apply to high resolution and/or high frame rate displays only. CONFIRM WITH EPM whether disclaimer applies.
	Maximum Resolution	1920 x1080 @ 60Hz
	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	10
	User-Assignable Function Buttons	Yes, 3 buttons
	Audio	No
	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
Power & Operating Specs	**Power Supply**	Internal
	Power Source	100 – 240 VAC 50/60 Hz
	Power Consumption - Maximum	19 W
	Energy Saving/Standby Mode	0.5 W
	Power Consumption - Typical	18.5 W
	Power cable lenght	1.9m
Energy Star Data	**Operational Mode at 100 VAC**	12.3 W
	Operational Mode at 115 VAC	12.34 W
	Operational Mode at 230 VAC	12.56 W
EU Energy Efficiency Class (ERP Lot5)	**On-mode Power Consumption**	13 W
	Annual Power Consumption	19 kWh
	Energy Efficiency Class	D
Operating Conditions	**Operating Temperature - Celsius**	5o – 35oC

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	Operating Temperature - Fahrenheit	41o – 95oF
	Non-operating Temperature - Celsius	–40° – 65°C
	Non-operating Temperature - Fahrenheit	-40° – 149°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/NOM/PSB/ICE/TUV-S/ISO 9241-307/ EAC/cTUVus/PSB/ISC/CCC/CEL/CECP/SEPA/TCO/Energy Star/ISC/VCCI/FCC/BSMI/Vietnam MEPS/Australian-New Zealand MEPS/WEEE/ South Africa/ Ukraine / BIS / GS / Low Blue Light
	Microsoft WHQL Certification	Win 10, Win 8, Win 7
	ENERGY STAR® Certified	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 1
	TCO Certified	Yes
	SmartWay Transport Partnership -NA only	Yes (NA sku)
Recycled Plastics	**Contains Recycled Plastics**	35% recycled ABS
	Recyclable Packaging (Box, packing materials)	69.6% Circular packing material

		Metric	**Imperial**
Unit Product/Package Specifications	**Product Dimensions** (Unpacked with stand) (W x D x H)	505×188.95×381.26 mm	19.88×7.44×15.01 in
	Product Dimensions (Packed) (W x D x H)	567×120×387mm	19.88×1.65×12.21 in
	Display Head Dimensions (Unpacked without stand) (W x D x H)	505×42×310.26 mm	22.32×4.72×15.24 in
	Base Area Footprint (w x d mm)	188.95 x 181 mm	7.44 x 7.13 in
	Bezel Measurements	top15.97 mm side 24.19 mm bottom 13.17 mm	top 0.63 in side 0.95 in bottom 0.52 in
	Product Weight (Unpacked with stand)	2.85 kg	6.28 lb
	Product Weight (Packed)	3.79 kg	8.36 lb
	Product Weight (Head Only)	2.48 kg	5.47 lb

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Pallet Information	**Pallet Dimensions** (L x W x H)	Slip Sheet: L: 1150 x W: 970 x H: 1948 mm (40' ft) Pallet: L: 1150 x W: 970 x H: 2067 mm (40' ft)	Slip Sheet: L45.28 x W38.19 x 76.69 inch (40' ft) Pallet: L45.28 x W38.19 x 81.38 inch (40' ft)
	Pallet Total Weight	Slip Sheet: 307KG (40' ft) Pallet: 323KG (40' ft)	Slip Sheet: 676.82 lb (40' ft) Pallet: 712.09 lb (40' ft)
	Pallet Layers	5 layers per palle (40' ft)	
	Pallet Product per Layer	16 per layer (slip sheet & pallet)	
	Total Products per Pallet	80sets per pallet (slip sheet & pallet)	
	Container Load, 20-Foot	960 sets (slip sheet and pallet)	
	Container Load, 40-Foot	1920 sets (slip sheet and pallet)	
	Container Load, 40-Foot HighQ	2304 sets (slip sheet & pallet)	
What's in the box?	VGA cable (1.5m) (Production before Dec'20, Inbound PN -007) HDMI cable (1.8m) (Production from Dec'20, Inbound PN -A07) DOC Kit (includes Product Notice, warranty, QSP) Power cord (1.9m) Note: China continue ship with VGA cable, no HDMI cable.		
User Guide and Warranty Languages	**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.	

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Summary

Change Log			
February 23, 2021	V1 to V2	Update	What's in the box? Section
March 10, 2021	V2 to V3	Update	EU Energy Efficiency Class
April 13, 2021	V3 to V4	Update	VESA Mounting Specs
	V4 to v5		