Technical Specifications

HP P24v G5 FHD Monitor



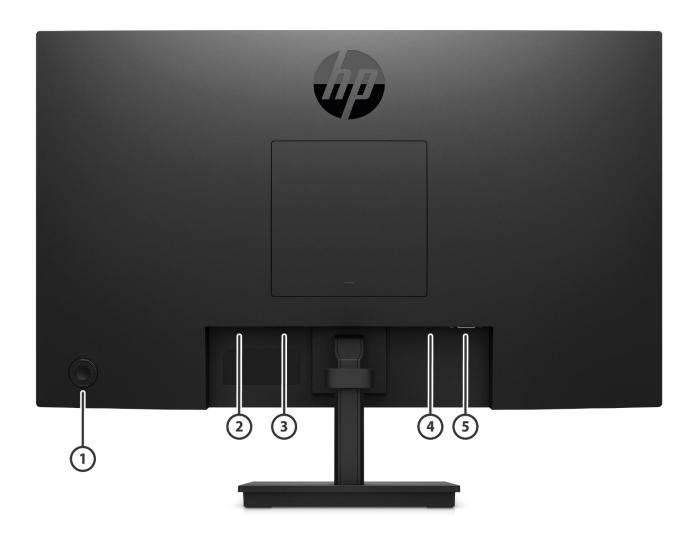
Front

2. Power LED

1. Power Button

Technical Specifications

HP P24v G5 FHD Monitor



- 1. Joypad OSD button
- 2. Security Cable Slot
- 3. Power Connector

Back

- 4. HDMI 1.4 Port
- 5. VGA Port

Technical Specifications

Model: 64W18AA

Panel Specifications Display Size (Diagonal) 23.8 inch

Panel TechnologyVAMax Refresh Rate75Hz

Native ResolutionFHD (1920 x 1080)Panel Bit Depth8 bit (6 bit + FRC)

Aspect Ratio16:9Brightness (Typical)250 nitsContrast Ratio (Static)3000:1Dynamic Contrast Ratio8M:1

Flicker FreeYes (TÜV certified)Pixel Pitch0.27 mm x 0.27 mm

Pixels Per Inch (PPI) 93 PPI

Display Colors Up to 16.7 million colors supported

30k

Backlight Lamp Life Minimum (To Half

Brightness - In Hours)

Backlight TypeEdge-litScreen TreatmentAnti-glareHardness3H

Haze 25%

Response Time (Typical) 5ms GtG (with overdrive)

Horizontal Viewing Angle (Typical

Cr>10)

Vertical Viewing Angle (Typical Cr>10) 178°

Panel Active Area Metric (W X H) 52.59 x 29.58 cm Panel Active Area Imperial (W X H) 20.70 x 11.65 in

NOTE: Performance specifications represent the typical specifications provided by HP's component

manufacturers; actual performance may vary either higher or lower.

Color NTSC 72%

Color Management Color Space/ Subsampling Support RGB 4:4:4 **RGB Channel Adjust** Yes, Gain

Default Color Temperature Standard (6500K)
Factory Color Calibrated Yes (Color Temperature)

Factory Color Presets Warm - 5000K, Neutral - 6500K,

Cool - 9300K

Monitor Specifications Bezel Type 3-sided borderless

Color Of Stand

Color Of Head

Black

Tilt

-5~+23°

Vesa Mounting 100 mm x 100 mm

Security Lock Slot Standard Security Lock Slot

Detachable Stand Yes

Warranty 3/3/0 for LA, NA, EMEA, APJ (3/3/3 in select APJ Countries)

Technical Specifications

Low Blue Light Yes, (TÜV certified)

Management Software HP Display Center, HP Display Manager*

*Host PC requires Windows 10. HP Display Center is available on

the Microsoft store.

On Screen Display (OSD)

On Screen Display Brightness+, Color Control, Image Control, Input Control,

Power Control, Menu Control, Management, Information,

Exit

Native Resolution FHD (1920 x 1080)

NOTE: HDMI 1.4 & VGA required to drive panel at its native

resolution.

The video card of the connected PC must be capable of

supporting 1920x1080 at 60 Hz with 8-bit color using one HDMI

or VGA.

Maximum Resolution

Preset Graphic Modes/Supported

Resolutions

1920 x 1080 (FHD) 640 x 480 @ 60Hz

640 x 480 @ 75Hz (HDMI only)

720 x 400 @ 70 Hz 800 x 600 @ 60 Hz

800 x 600 @ 75 Hz (HDMI only)

1024 x 768 @ 60 Hz

1024 x 768 @ 75 Hz (HDMI only)

1280 x 720 @ 60 Hz 1280 x 800 @ 60 Hz 1280 x 1024 @ 60 Hz

1280 x 1024 @ 75 Hz (HDMI only)

1440 x 900 @ 60 Hz 1600 x 900 @ 60 Hz 1680 x 1050 @ 60 Hz

1920 x 1080 @ 50 Hz (HDMI only)

1920 x 1080 @ 60 Hz

1920 x 1080 @ 75 Hz (HDMI only)

Minimum Vertical Scan Rate48 HzMaximum Vertical Scan Rate75 HzMinimum Horizontal Scan Rate55.6 kHzMaximum Horizontal Scan Rate90.8 kHzMaximum Pixel Clock94.0 MHzUser Programmable ModesYes, 10

User-Assignable Function Buttons Yes, 4 (VGA: 6 options, HDMI: 5 options)

11 (English, Spanish, German, French, Italian,

Languages Netherlands, Portuguese, Japanese, T-Chinese, S-Chinese

and Russian)

Connector Types HDMI 1 HDMI 1.4

HDCP Yes, HDMI VGA 1 VGA

Special Features SWITCH Monitor Power button

Next Active Input / Up button Brightness / Down button

Technical Specifications

Information / Left button Color / Right button Menu / Enter button 11 (VGA) / 17 (HDMI)

Power & Operating

Specs

Power Supply Internal

Power Source 100 – 240 VAC 50/60 Hz

Power Consumption- Max30 WEnergy Saving/Stand By Mode0.5 WPower Consumption - Typical20 W

Energy Star Data Operational Mode at 100 VAC 14.3 W

User Presets

Operational Mode at 115 VAC 14.3 W Operational Mode at 230 VAC 14.3 W

EU Energy Efficiency Class (ErP LOT-5) On-mode Power Consumption for Standard Dynamic Range (SDR) ErP LOT5 Energy Efficiency Class for Standard Dynamic Range (SDR)

17W



5° - 35°C

Operating Conditions Operating Temperature - Celsius

Operating Temperature - Fahrenheit $41^\circ-95^\circ F$ Non-Operating Temperature - Celsius $-40^\circ-65^\circ C$ Non-Operating Temperature - $-40^\circ-149^\circ F$

Fahrenheit

Operating Humidity 20 – 80% Relative Humidity (non-condensing)

Non-Operating Humidity 5 – 95%

 $\begin{array}{ll} \textbf{Operating Altitude} & 0-5,000 \text{ m (16,400 ft.)} \\ \textbf{Non-operating Altitude} & 0-12,192 \text{ m (40,000 ft.)} \\ \end{array}$

Certifications and Compliances

Mercury-free LED display backlighting

Low Halogen

Yes, Mercury-free LED backlighting

Yes*

*External power supplies, WWAN modules, power cords,

cables and peripherals excluded.

Agency Approvals and Certifications WW application

CE,CB,KC/KCC/NOM/PSB/ICE/TUV-Bauart/ISO 9241-307/TUV flicker free/ TUV LBL/ BIS/ UAE safety/ UAE

RoHS/ Ukraine safety/ South Africa safety/

EAC/CSA/PSB/ISC/CCC/CEL/CECP/SEPA/TCO/TCO Certified

Edge/Energy Star/ISC/VCCI/FCC/BSMI/Vietnam MEPS/Australian-New Zealand MEPS/WEEE/CEC

Microsoft WHQL Certification Win 11, Win 10, Win 8, Win 7

ENERGY STAR® Certified Yes, ENERY STAR® EPEAT® Registered

Regions need to verify by country

EPEAT® registered*

*Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. Status varies by country. Visit

http://www.epeat.net for more information.

CEL Grade 2

TCO Certified Edge Yes



Technical Specifications

TCO Certified

only

SmartWay Transport Partnership - NA

Contains Recycled Plastics	Contains Recycled Plastics Recyclable Packaging (Box, packing materials)	*Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 standard. Molded Paper Pulp Cushion inside box is 100% sustainably sourced and recyclable* *100% outer box packaging and corrugated cushions made from sustainably sourced certified and recycled fibers.	
		<u>Metric</u>	<u>Imperial</u>
Unit Product/Package Specifications	Product Dimensions (Unpacked with stand) (W x D x H)	53.89 x 18.05 x 39.78 cm	21.22 x 7.11 x 15.66 in
	Product Dimensions (Packed) (W x D x H)	59.5 x 12.4 x 39.1 cm	23.43 x 4.88 x 15.39 in
	Display Head Dimensions (Unpacked without stand) (W x D x H)	53.89 x 5.143 x 32.36 cm	21.22 x 2.02 x 12.74 in
	Base Area Footprint (w x d mm)	173.97 x 169.97 mm	6.85 x 6.69 in
	Bezel Measurements	Top: 1.4 mm	Top: 0.55 in
	(Unpacked with stand) (W x D x H)	Sides: 1.4 mm	Sides: 0.55 in
	(onpactica men stanta, (ii x 2 x ii,	Bottom: 20.2 mm	Bottom: 7.95 in
	Product Weight	3.57 kg	7.86 lb
	(Unpacked with stand)		
	Product Weight	5.49 kg	12.1 lb
	(Packed)		
	Product Weight (Head Only)	3.17 kg	6.99 lb
Pallet Information	Pallet Dimensions	Slip Sheet:	Slip Sheet:
	(L x W x H mm)	1200 x 1000 x 1967 mm (20 ft &40 ft) Slip Sheet: 1200 x 1000 x 2358 mm	47.24 x 39.37 x77.44 inch (20 ft &40 ft) Slip Sheet: 47.24 x 39.37 x 92.83 inch
		(40 HQ)	(40 HQ)
		Pallet:	Pallet:
		1200x1000 x 2100 mm	47.24 x39.37 x 82.68 inch
		(20 ft & 40 ft)	(20 ft & 40 ft)
		Pallet:	Pallet:
		1200 x 1000 x 2494 mm (40 HQ)	47.24 x 39.37 x 98.19 inch (40 HQ)
	Pallet Total Weight	Slip Sheet:	Slip Sheet:
	rauet i otat weigiit	439.2 kg (20 ft & 40 ft)	968.27 lb (20 ft & 40 ft)
		Slip Sheet:	Slip Sheet:
		527.04 kg (40 HQ)	1161.92 lb (40 HQ)
		Pallet:	Pallet:

Yes

Yes (NA sku)

Technical Specifications

459.2kg (20 ft & 40 ft) 1012.36 lb (20 ft & 40 ft)

Pallet: Pallet:

547.04 kg (40 HQ) 1206.02 lb (40 HQ)

5 or 6 (slip sheet & pallet) 16 (slip sheet & pallet)

80 or 96 per pallet (slip sheet & pallet)

800 (slip sheet and pallet) 1680 sets (slip sheet and pallet) 2016 sets (slip sheet & pallet)

Pallet Layers

Pallet Product per Layer Total Products per Pallet Container Load, 20-Foot Container Load, 40-Foot Container Load, 40-Foot HighQ

What's in the box?

AC power cord (1.83m) 6ft HDMI 1.4 cable (1.8m) 5.9ft

Warranty Doc kit

Quick Setup Poster

User Guide and Warranty Languages **User Guide Languages**

Warranty Languages

Arabic, Bahasa Indonesia, Bulgarian, Chinese-S, Chinese-T, Czech, Danish, Dutch, English, Estonian, Finnish, French, German, Greek, Hebrew, Hungarian, Italian, Japanese, Kazakh, Korean, Latvian, Lithuanian, Norwegian, Polish, Portuguese (Brazilian), Portuguese (Iberian), Romanian, Russian, Serbian, Slovak, Slovenian, Spanish, Swedish, Thai, Turkey, Ukrainian English US (EN), English AP (EN-AP), English LA (EN-LA), English UK (EN-GB), Arabic (AR) -17x, Bahasa Indonesia (ID), Bosnian (BS), Bulgarian (BG), Chinese-S (CN), Chinese-T (TW), Croatian (HR), Czech (CS), Danish (DA), Dutch (NL), Estonian (ET), Finnish (FI), French Canadian (FC), French European (FR), German (DE), Greek (EL), Hebrew (HE), Hungarian (HU), Italian (IT), Japanese (JA), Kazakh (KK), Korean (KO), Latvian (LV), Lithuanian (LT), Norwegian (NO), Polish (PL), Portuguese, Brazilian (BR), Portuguese, Iberian (PT), Romanian (RO), Russian (RU), Serbian (SR), Slovak (SK), Slovenian (SL), Spanish, Castilian (ES-ES), Spanish, Latin America (ES-MX), Swedish (SV), Thai (TH), Turkish (TR), Ukrainian (UK), Vietnamese (VI)

Technical Specifications

ENVIRONMENTAL DATA

ENVIRONMENTAL DATA	T			
Eco-Label Certifications &	5 P 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
declarations	and may be labeled with one or	more of these marks:		
	IT ECO declaration			
	 US ENERGY STAR® 			
	 US Federal Energy Mar 	nagement Program (FEMP)		
	 EPEATâ Gold registered in the United States. See http://www.epeat.net for 			
	registration status in your country.			
	TCO Certified			
	China Energy Conservation Program (CECP)			
	China State Environmental Protection Administration (SEPA)			
	Taiwan Green Mark			
	Japan PC Green label*			
Sustainable Impact	• 85% ITE – derived closed loop	nlastic		
Specifications	• Low halogen			
Specifications.	Outside Box and corrugated cushions are 100% sustainably sourced and recyclable			
	Outside Box and corrugated cusnions are 100% sustainably sourced and recyclable Molded Paper Pulp Cushion inside box is 100% sustainably sourced and recyclable			
Custom Configuration			-	
System Configuration	The configuration used for the Energy Consumption and Declared Noise Emissions data for			
	the Notebook model is based o	n a "Typically Configured Noted	00K".	
Energy Consumption				
(in accordance with US ENERGY				
CTAD® tact mathod)	11EVAC COU-	220NVC EUH-	10000 500-	
STAR® test method) Normal Operation (Short idle)	115VAC, 60Hz	230VAC, 50Hz	100VAC, 50Hz	
Normal Operation (Short idle)	11.86 W	11.69 W	11.92 W	
Normal Operation (Short idle) Normal Operation (Long idle)	11.86 W 11.86 W	11.69 W 11.69 W	11.92 W 11.92 W	
Normal Operation (Short idle) Normal Operation (Long idle) Sleep	11.86 W 11.86 W 0.21 W	11.69 W 11.69 W 0.26 W	11.92 W 11.92 W 0.2 W	
Normal Operation (Short idle) Normal Operation (Long idle)	11.86 W 11.86 W	11.69 W 11.69 W	11.92 W 11.92 W	
Normal Operation (Short idle) Normal Operation (Long idle) Sleep	11.86 W 11.86 W 0.21 W	11.69 W 11.69 W 0.26 W	11.92 W 11.92 W 0.2 W	
Normal Operation (Short idle) Normal Operation (Long idle) Sleep	11.86 W 11.86 W 0.21 W 0.07 W	11.69 W 11.69 W 0.26 W 0.13 W	11.92 W 11.92 W 0.2 W 0.07 W	
Normal Operation (Short idle) Normal Operation (Long idle) Sleep	11.86 W 11.86 W 0.21 W 0.07 W	11.69 W 11.69 W 0.26 W 0.13 W for an ENERGY STAR® compliant	11.92 W 11.92 W 0.2 W 0.07 W product if offered within the	
Normal Operation (Short idle) Normal Operation (Long idle) Sleep	11.86 W 11.86 W 0.21 W 0.07 W NOTE: Energy efficiency data listed is	11.69 W 11.69 W 0.26 W 0.13 W for an ENERGY STAR® compliant arked with the ENERGY STAR® L	11.92 W 11.92 W 0.2 W 0.07 W t product if offered within the ogo are compliant with the	
Normal Operation (Short idle) Normal Operation (Long idle) Sleep	11.86 W 11.86 W 0.21 W 0.07 W NOTE: Energy efficiency data listed is a model family. HP computers ma	11.69 W 11.69 W 0.26 W 0.13 W for an ENERGY STAR® compliant arked with the ENERGY STAR® L Protection Agency (EPA) ENERGY	11.92 W 11.92 W 0.2 W 0.07 W a product if offered within the ogo are compliant with the Y STAR® specifications for	
Normal Operation (Short idle) Normal Operation (Long idle) Sleep	11.86 W 11.86 W 0.21 W 0.07 W NOTE: Energy efficiency data listed is a model family. HP computers manapplicable U.S. Environmental F	11.69 W 11.69 W 0.26 W 0.13 W for an ENERGY STAR® compliant arked with the ENERGY STAR® Lerotection Agency (EPA) ENERGY STAR® cores not offer ENERGY STAR® cores	11.92 W 11.92 W 0.2 W 0.07 W t product if offered within the ogo are compliant with the Y STAR® specifications for mpliant configurations, then	
Normal Operation (Short idle) Normal Operation (Long idle) Sleep	11.86 W 11.86 W 0.21 W 0.07 W NOTE: Energy efficiency data listed is model family. HP computers mapplicable U.S. Environmental F computers. If a model family do	11.69 W 11.69 W 0.26 W 0.13 W for an ENERGY STAR® compliant arked with the ENERGY STAR® L Protection Agency (EPA) ENERGY STAR® corfor a typically configured PC fea	11.92 W 11.92 W 0.2 W 0.07 W t product if offered within the ogo are compliant with the Y STAR® specifications for mpliant configurations, then turing a hard disk drive, a	
Normal Operation (Short idle) Normal Operation (Long idle) Sleep	11.86 W 11.86 W 0.21 W 0.07 W NOTE: Energy efficiency data listed is a model family. HP computers mapplicable U.S. Environmental F computers. If a model family do energy efficiency data listed is a model family data listed i	11.69 W 11.69 W 0.26 W 0.13 W for an ENERGY STAR® compliant arked with the ENERGY STAR® L Protection Agency (EPA) ENERGY STAR® corfor a typically configured PC fea	11.92 W 11.92 W 0.2 W 0.07 W t product if offered within the ogo are compliant with the Y STAR® specifications for mpliant configurations, then turing a hard disk drive, a	
Normal Operation (Short idle) Normal Operation (Long idle) Sleep Off Heat Dissipation*	11.86 W 11.86 W 0.21 W 0.07 W NOTE: Energy efficiency data listed is a model family. HP computers mapplicable U.S. Environmental F computers. If a model family do energy efficiency data listed is a model family data listed i	11.69 W 11.69 W 0.26 W 0.13 W for an ENERGY STAR® compliant arked with the ENERGY STAR® L Protection Agency (EPA) ENERGY STAR® corfor a typically configured PC fea	11.92 W 11.92 W 0.2 W 0.07 W t product if offered within the ogo are compliant with the Y STAR® specifications for mpliant configurations, then turing a hard disk drive, a	
Normal Operation (Short idle) Normal Operation (Long idle) Sleep Off Heat Dissipation* Normal Operation (Short idle)	11.86 W 11.86 W 0.21 W 0.07 W NOTE: Energy efficiency data listed is a model family. HP computers may applicable U.S. Environmental F computers. If a model family do energy efficiency data listed is a high efficiency power supply, and	11.69 W 11.69 W 0.26 W 0.13 W for an ENERGY STAR® compliant arked with the ENERGY STAR® Lerotection Agency (EPA) ENERGY or a typically configured PC feather and a Microsoft Windows® operated a Microsoft Windows® Agency (BPA) ENERGY STAR® conformation a typically configured PC feather at the conformation and a Microsoft Windows® operated a Microsoft Windows® Agency (BPA) ENERGY STAR® CONFORMATION CONFORMA	11.92 W 11.92 W 0.2 W 0.07 W t product if offered within the ogo are compliant with the Y STAR® specifications for inpliant configurations, then turing a hard disk drive, a ting system.	
Normal Operation (Short idle) Normal Operation (Long idle) Sleep Off Heat Dissipation* Normal Operation (Short idle) Normal Operation (Long idle)	11.86 W 11.86 W 0.21 W 0.07 W NOTE: Energy efficiency data listed is a model family. HP computers man applicable U.S. Environmental F computers. If a model family doenergy efficiency data listed is a high efficiency power supply, and 115VAC, 60Hz 40.6 BTU/hr 40.6 BTU/hr	11.69 W 11.69 W 0.26 W 0.13 W for an ENERGY STAR® compliant arked with the ENERGY STAR® L Protection Agency (EPA) ENERGY STAR® corfor a typically configured PC feated a Microsoft Windows® operated	11.92 W 11.92 W 0.2 W 0.07 W t product if offered within the ogo are compliant with the Y STAR® specifications for impliant configurations, then turing a hard disk drive, a ting system. 100VAC, 50Hz 40.8 BTU/hr 40.8 BTU/hr	
Normal Operation (Short idle) Normal Operation (Long idle) Sleep Off Heat Dissipation* Normal Operation (Short idle)	11.86 W 11.86 W 0.21 W 0.07 W NOTE: Energy efficiency data listed is a model family. HP computers may applicable U.S. Environmental F computers. If a model family do energy efficiency data listed is a high efficiency power supply, and 115VAC, 60Hz 40.6 BTU/hr	11.69 W 11.69 W 0.26 W 0.13 W for an ENERGY STAR® compliant arked with the ENERGY STAR® Lerotection Agency (EPA) ENERGY or a typically configured PC feather and a Microsoft Windows® operated a Microsoft Windows® Agency (BPA) ENERGY STAR® conformation a typically configured PC feather at the conformation and a Microsoft Windows® operated a Microsoft Windows® Agency (BPA) ENERGY STAR® CONFORMATION CONFORMA	11.92 W 11.92 W 0.2 W 0.07 W sproduct if offered within the ogo are compliant with the offered specifications for inpliant configurations, then turing a hard disk drive, a ting system. 100VAC, 50Hz 40.8 BTU/hr	
Normal Operation (Short idle) Normal Operation (Long idle) Sleep Off Heat Dissipation* Normal Operation (Short idle) Normal Operation (Long idle)	11.86 W 11.86 W 0.21 W 0.07 W NOTE: Energy efficiency data listed is a model family. HP computers man applicable U.S. Environmental F computers. If a model family doenergy efficiency data listed is a high efficiency power supply, and 115VAC, 60Hz 40.6 BTU/hr 40.6 BTU/hr	11.69 W 11.69 W 0.26 W 0.13 W for an ENERGY STAR® compliant arked with the ENERGY STAR® Leader of the control	11.92 W 11.92 W 0.2 W 0.07 W t product if offered within the ogo are compliant with the Y STAR® specifications for impliant configurations, then turing a hard disk drive, a ting system. 100VAC, 50Hz 40.8 BTU/hr 40.8 BTU/hr	
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Normal Operation (Short idle) Normal Operation (Long idle) Sleep Off Heat Dissipation* Normal Operation (Short idle) Normal Operation (Long idle) Sleep	11.86 W 11.86 W 0.21 W 0.07 W NOTE: Energy efficiency data listed is a model family. HP computers mapplicable U.S. Environmental F computers. If a model family doenergy efficiency data listed is a high efficiency power supply, and 115VAC, 60Hz 40.6 BTU/hr 40.6 BTU/hr 0.7 BTU/hr	11.69 W 11.69 W 0.26 W 0.13 W for an ENERGY STAR® compliant arked with the ENERGY STAR® L Protection Agency (EPA) ENERGY STAR® corfor a typically configured PC feathed a Microsoft Windows® operated a Microsoft Windows® operated 40 BTU/hr 40 BTU/hr 0.9 BTU/hr 0.4 BTU/hr	11.92 W 11.92 W 0.2 W 0.07 W product if offered within the ogo are compliant with the Y STAR® specifications for impliant configurations, then turing a hard disk drive, a ting system. 100VAC, 50Hz 40.8 BTU/hr 40.8 BTU/hr 0.7 BTU/hr 0.2 BTU/hr	
Normal Operation (Short idle) Normal Operation (Long idle) Sleep Off Heat Dissipation* Normal Operation (Short idle) Normal Operation (Long idle) Sleep	11.86 W 11.86 W 0.21 W 0.07 W NOTE: Energy efficiency data listed is a model family. HP computers manapplicable U.S. Environmental Ficomputers. If a model family doenergy efficiency data listed is a high efficiency power supply, and 115VAC, 60Hz 40.6 BTU/hr 40.6 BTU/hr 0.7 BTU/hr 0.2 BTU/hr	11.69 W 11.69 W 0.26 W 0.13 W for an ENERGY STAR® compliant arked with the ENERGY STAR® L Protection Agency (EPA) ENERGY STAR® corfor a typically configured PC feathed a Microsoft Windows® operated a Microsoft Windows® operated 40 BTU/hr 40 BTU/hr 0.9 BTU/hr 0.4 BTU/hr	11.92 W 11.92 W 0.2 W 0.07 W product if offered within the ogo are compliant with the Y STAR® specifications for impliant configurations, then turing a hard disk drive, a ting system. 100VAC, 50Hz 40.8 BTU/hr 40.8 BTU/hr 0.7 BTU/hr 0.2 BTU/hr	

Technical Specifications

Longevity and Upgrading		This product can be upgraded, possibly extending its useful life by several years. Upgradeable features and/or components contained in the		
	Upgradeable			
	Spare parts are available throughout the warranty period and or for up to "5" years after the end of production.			
Additional Information		 This product is in compliance with the Restrictions of Hazardous Substances (RoHS) directive - 2011/65/EC. This HP product is designed to comply with the Waste Electrical and Electronic Equipment (WEEE) Directive - 2002/96/EC. This product is in compliance with California Proposition 65 (State of California; Safe Drinking Water and Toxic Enforcement Act of 1986). This product is in compliance with the IEEE 1680 (EPEAT) standard at the Gold level, 		
	• This			
	Saf			
		www.epeat.net		
		IS011469 and IS01043.		
	• 11113	This product is 98.9% recycle-able when properly disposed of at end of life.		
Packaging Materials	External:	PAPER/Paperboard	547 g	
		PAPER/Molded Pulp	987 g	
	Internal:	PLASTIC/Polyethylene high density - HDPE	40 g	
	The plastic	packaging material contains at least 0.0% recycled	content.	
		The corrugated paper packaging materials contains at least 90% recycled content.		
RoHS Compliance	HP Inc. complies fully with materials regulations. We were among the first companies to extend the restrictions in the European Union (EU) Restriction of Hazardous Substances (RoHS) Directive to our products worldwide through the HP GSE. HP has contributed to the development of related legislation in Europe, as well as China, India, and Vietnam.			
	We believe the RoHS directive and similar laws play an important role in promoting industry-wide elimination of substances of concern. We have supported the inclusion of additional substances—including PVC, BFRs, and certain phthalates—in future RoHS legislation that pertains to electrical and electronics products.			
	We met our voluntary objective to achieve worldwide compliance with the new EU RoHS requirements for virtually all relevant products by July 2013, and we will continue to extend the scope of the commitment to include further restricted substances as regulations continue to evolve.			
	To obtain a o	To obtain a copy of the HP RoHS Compliance Statement, see HP RoHS position statement.		
Material Usage	(refer to the	does not contain any of the following substances HP General Specification for the Environment at		
	http://www.hp.com/hpinfo/globalcitizenship/environment/supplychain/gen_specifications. html):			
		estos		
	• cer	tain Azo Colorants		



Technical Specifications

	Certain Brominated Flame Retardants – may not be used as flame retardants in	
	plastics	
	• Cadmium	
	Chlorinated Hydrocarbons	
	Chlorinated Paraffins	
	Bis(2-Ethylhexyl) phthalate (DEHP)	
	Benzyl butyl phthalate (BBP)	
	Dibutyl phthalate (DBP)	
	Diisobutyl phthalate (DIBP)	
	Halogenated Diphenyl Methanes	
	Lead carbonates and sulfates	
	Lead and Lead compounds	
	Mercuric Oxide Batteries	
	 Nickel – finishes must not be used on the external surface designed to be 	
	frequently handled or carried by the user.	
	Ozone Depleting Substances	
	 Polybrominated Biphenyls (PBBs) 	
	Polybrominated Biphenyl Ethers (PBBEs)	
	 Polybrominated Biphenyl Oxides (PBBOs) 	
	Polychlorinated Biphenyl (PCB)	
	Polychlorinated Terphenyls (PCT)	
	Polyvinyl Chloride (PVC) — except for wires and cables, and certain retail packaging	
	has been voluntarily removed from most applications.	
	Radioactive Substances	
	Tributyl Tin (TBT), Triphenyl Tin (TPT), Tributyl Tin Oxide (TBTO)	
Packaging Usage	HP follows these guidelines to decrease the environmental impact of product packaging:	
	Eliminate the use of heavy metals such as lead, chromium, mercury and cadmium	
	in packaging materials.	
	, , ,	
	Eliminate the use of ozone-depleting substances (ODS) in packaging materials. Position positioning materials for some of disposantily.	
	Design packaging materials for ease of disassembly.	
	Maximize the use of post-consumer recycled content materials in packaging	
	materials.	
	 Use readily recyclable packaging materials such as paper and corrugated materials. 	
	 Reduce size and weight of packages to improve transportation fuel efficiency. 	
	 Plastic packaging materials are marked according to ISO 11469 and DIN 6120 	
	standards.	
P. J £ 125 - 84	UD effects and of life UD and other and an illustrations and an illustrations and an illustrations are in the interest and an illustrations and an illustrations are in the interest and an illustration are in the interest and an illustration are in the interest and are in th	
End-of-life Management and	HP offers end-of-life HP product return and recycling programs in many geographic areas.	
Recycling	To recycle your product, please go to: http://www.hp.com/go/reuse-recycle or contact your	
	nearest HP sales office. Products returned to HP will be recycled, recovered or disposed of	
	in a responsible manner.	
	The FILINGER directive (2002/05/FC) we entire a record at the state of	
	The EU WEEE directive (2002/95/EC) requires manufacturers to provide treatment	
	information for each product type for use by treatment facilities. This information (product	
	disassembly instructions) is posted on the Hewlett Packard web site at:	

Technical Specifications

	http://www.hp.com/go/recyclers. These instructions may be used by recyclers and other WEEE treatment facilities as well as HP OEM customers who integrate and re-sell HP equipment.		
HP, Inc. Corporate Environmental Information	For more information about HP's commitment to the environment: Global Citizenship Report http://www.hp.com/hpinfo/globalcitizenship/gcreport/index.html Eco-label certifications http://www8.hp.com/us/en/hp-information/environment/ecolabels.html ISO 14001 certificates: http://h20195.www2.hp.com/V2/GetDocument.aspx?docname=c04755842 and http://www.hp.com/hpinfo/globalcitizenship/environment/pdf/cert.pdf		
footnotes	 Percentage of ocean-bound plastic contained in each component varies by product Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 standard. External power supplies, WWAN modules, power cords, cables and peripherals excluded. 100% outer box packaging and corrugated cushions made from sustainably sourced certified and recycled fibers. Fiber cushions made from 100% recycled wood fiber and organic materials. Plastic cushions are made from >90% recycled plastic. 		



Technical Specifications

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Summary

Change Log				
July 22, 2022	V1 to V2	Updated	Pallet Information	
July 28, 2022	V2 to V3	Updated	Pallet Information and Contains Recycled Plastics	
March 6, 2023	V3 to V4	Added	Mercury-free LED display backlighting	
April 12, 2023	V4 to V5	Updated	Color Management section	
	V5 to V6			

