

Technical Specifications

HP Series 7 Pro 31.5 inch 4K Thunderbolt 4 Monitor - 732pk



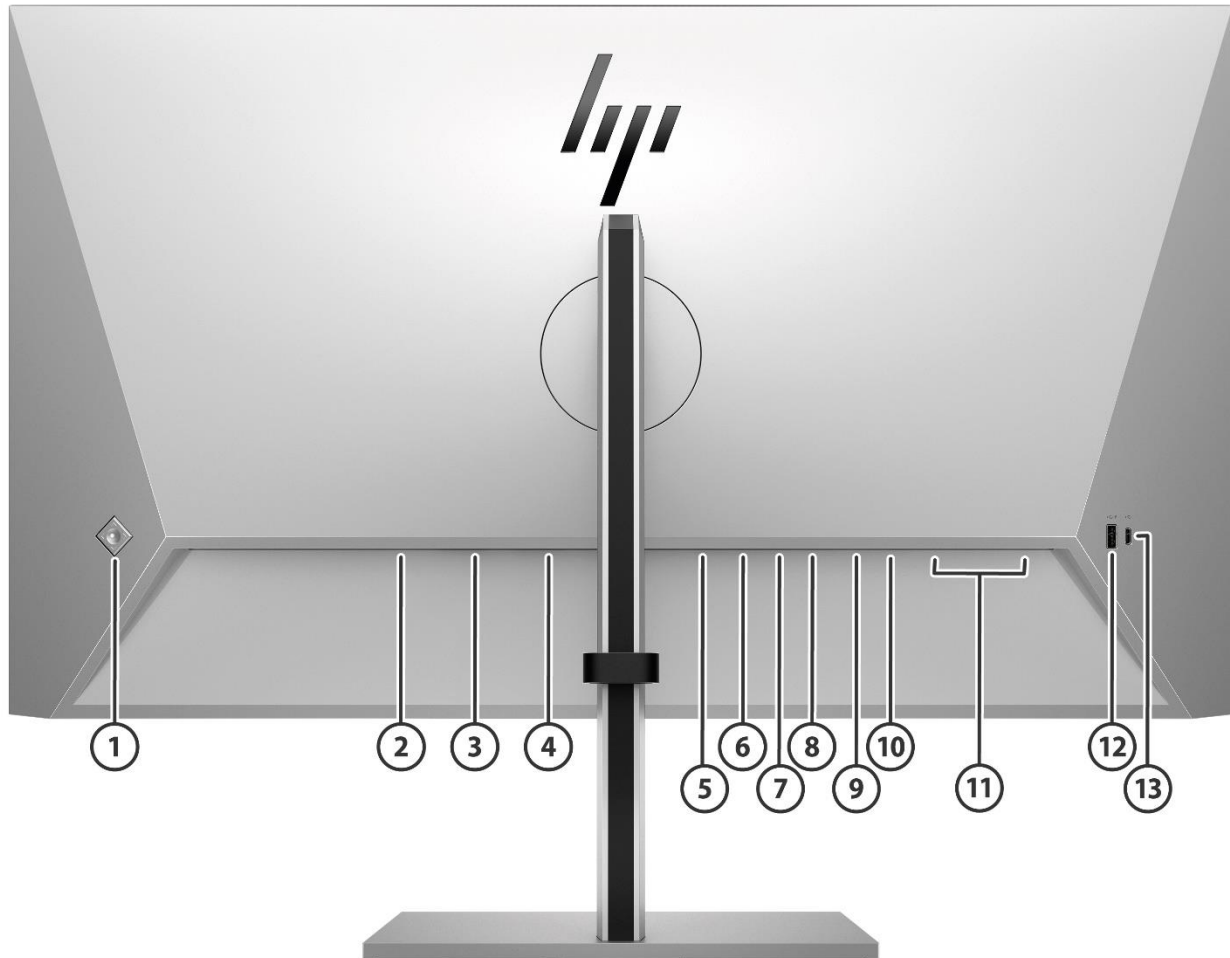
1. Power Button

Front

2. Power LED

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1. Joypad OSD Button
2. Security Cable slot
3. Master Power Switch
4. Power Connector
5. HDMI 2.0 Connector
6. DisplayPort™ 1.4 connector

Back

7. Thunderbolt™ 4.0 (40Gbps signaling rate) with USB Type-C® 5Gbps signaling rate (Up to 100W USB Power Delivery, Alt Mode DisplayPort™ 1.4)
8. DisplayPort™ 1.4-out
9. USB-B (upstream)
10. RJ-45 port
11. USB Type-A 5Gbps signaling rate (3)
12. USB Type-A 5Gbps signaling rate (1)
13. USB Type-C® 5Gbps signaling rate (Up to 15W USB Power Delivery)

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Model: 8Y2K9AA

Panel Specifications	Display Size (Diagonal)	31.5" (80.0 cm)
	Viewable Diagonal Size	80
	Panel Technology	IPS Black
	Curvature	Flat
	Max Refresh Rate	60 Hz
	Native Resolution	4K UHD (3840 x 2160)
	Panel Bit Depth	10 bit (8 bit + FRC)
	Aspect Ratio	16:9
	Brightness (Typical)	400 nits
	HDR	HDR 400
	Display Contrast Ratio (Static)	2000:1
	Display Contrast Ratio (Dynamic)	10000000:1 = 10M:1
	Flicker Free	Yes
	Pixel Pitch	0.18x0.18
	Pixels Per Inch (PPI)	140 PPI
	Display Colors	Up to 1.07 billion colors supported* <i>*Number of colors through A-FRC technology.</i>
	Backlight Lamp Life Minimum (To Half Brightness - In Hours)	30k hours
	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 Metric (W x H)	69.7 x39.2 cm	
Panel Active Area Imperial (W x H)	27.4 x15.4 in	
NOTE: Performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.		
Color	sRGB	100%
	DCI-P3	98%
Color Management	Factory Color Calibrated	Yes, (Delta E <=2)
	Calibrated Color Presets	sRGB
	Color Space/ Subsampling Support	RGB 4:4:4, YCBCR 4:4:4, YCBCR 4:2:2
	RGB Channel Adjust	Yes, Gain, downstream from color preset
	Default Color Temperature	Standard (6500K)
Monitor Specifications	Bezel Type	4-sided Micro Edge
	Color Of Stand	Silver
	Color Of Head	Black/Gray
	Tilt	-5 to +20°
	Swivel	±45°

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	Pivot	±90°
	Height Adjustment Range	150mm
	Vesa Mounting	100 mm x 100 mm (bracket included)
	Security Lock	Standard Security Lock Slot
	Detachable Stand	Yes
	Warranty	3/3/0 for LA, NA, EMEA, APJ (3/3/3 in select APJ Countries)
	Low Blue Light	Yes, HP Eye Ease (TÜV Low Blue Light Hardware Solution certified)
	Zero Bright Dot Warranty	Yes
	Management Software	HP Display Center, HP Display Manager* <i>*Host PC requires Windows 10 and above. HP Display Center is available on the Microsoft store.</i>
On Screen Display (OSD)	On Screen Display	Brightness +, Color, Image, Input, Power, Menu, Management, Information, Exit
	Native Resolution	4K UHD (3840 x 2160)* <i>*DisplayPort 1.4 or HDMI 2.0 required to drive panel at its native resolution. The video card of the connected PC must be capable of supporting 3840 x 2160 at 60 Hz with 10-bit color using one DP, HDMI, or USB-C (DP alt mode)."</i>
	Maximum Resolution	4K UHD (3840 x 2160 @ 60 Hz)
	Preset Graphic Modes/Supported Resolutions	640 x 480 @ 60 Hz 720 x 400 @ 70 Hz 800 x 600 @ 60 Hz 1024 x 768 @ 60 Hz 1280 x 720 @ 60 Hz 1280 x 800 @ 60 Hz 1280 x 1024 @ 60 Hz 1440 x 900 @ 60 Hz 1600 x 900 @ 60 Hz 1680 x 1050 @ 60 Hz 1920 x 1080 @ 60 Hz 1920 x 1200 @ 60 Hz 2560 x 1440 @ 60 Hz 3840 x 2160 @ 60 Hz
	Minimum Vertical Scan Rate	29 Hz
	Maximum Vertical Scan Rate	60 Hz
	Minimum Horizontal Scan Rate	30.0 kHz
	Maximum Horizontal Scan Rate	135.0 kHz
	Maximum Pixel Clock	600.0 MHz
	User Programmable Modes	Yes, 14
	User-Assignable Function Buttons	Yes, 4 (8 options)
	Languages	11 (English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, T-Chinese, S-Chinese and Russian)
Connector Types	DisplayPort™	1 DisplayPort™ 1.4

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	DisplayPort™ Out	1 DisplayPort™ 1.4-out
	HDMI	1 HDMI 2.0
	HDCP	Yes, DisplayPort™ and HDMI
	USB Type-C® Video Input & Data Transfer	1 Thunderbolt™ 4.0 (40Gbps signaling rate) with USB Type-C® 5Gbps signaling rate (Up to 100W USB Power Delivery, Alt Mode DisplayPort™ 1.4)
	USB Type-C® Data Transfer Only	1 USB Type-C® 5Gbps signaling rate (Up to 15W USB Power Delivery)
	USB- A	4 USB Type-A 5Gbps signaling rate
	USB-B (Hub enablement)	1 USB-B
	ETHERNET	1 RJ-45 (10/100/1000 Mbps)
Special Features	Picture-In-Picture, Picture-By-Picture	Yes
	Switch	Menu/OK, Up/ Plus ("+")/Next Active Input, Down/Minus ("-")/Information, Left/ Back/ Exit/ Brightness, Right/Enter/Color, Power
	Remote Manageability	Out-Band MAPT, Out-Band WoL, PXE Boot
	User Presets	14
	True 2K Image Scaling	Yes
	User Updateable Firmware	Yes
	KVM Switch	Yes, OSD switch
	Other Special Features	Single Power On, Daisy Chain
Power & Operating Specs	Power Supply	Internal
	Power Source	100 – 240 VAC 50/60 Hz
	Power Consumption- Max	205 W
	Energy Saving/Stand By Mode	0.5 W
	Power Consumption - Typical	48 W
Energy Star Data	Operational Mode at 100 VAC	31.09 W
	Operational Mode at 115 VAC	31.14 W
	Operational Mode at 230 VAC	31.2 W
EU Energy Efficiency Class (ErP LOT-5)	On-mode Power Consumption for Standard Dynamic Range (SDR)	≤33.0 W
	ErP LOT5 Energy Efficiency Class for Standard Dynamic Range (SDR)	
	On-mode Power Consumption for High Dynamic Range (HDR)	≤47.0 W
	ErP LOT5 Energy Efficiency Class for High Dynamic Range (HDR)	
Operating Conditions	Operating Temperature - Celsius	5 – 35°
	Operating Temperature - Fahrenheit	41– 95°
	Non-Operating Temperature - Celsius	–20 – 60°
	Non-Operating Temperature - Fahrenheit	29 – 140°F
	Operating Humidity	20 – 80% Relative Humidity (non-condensing)

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	Non-Operating Humidity	5 – 95%
	Operating Altitude	0 – 5,000 m
	Non-operating Altitude	0 – 12,192 m
	Operating Altitude imperial	0 – 16,400 ft
	Non-operating Altitude imperial	0 – 40,000 ft
Certifications and Complies	Low Halogen	Yes* *External power supplies, WWAN modules, power cords, cables and peripherals excluded.
	Agency Approvals and Certifications	UAE/EUP Lot6 and Lot26/ Eup Lot5/ Energy Star 8.0/ TCO Edge/ TCO 9.0/ Australia MEPS/ Vietnam MEPS/ CEC/ TUV-GS or Bauart/ China CCC/ China SEPA/ China CECP/ cTUVus/ Korea KC/ Korea KCC/ Korea e-Standby/ CB(62368-1&60950)/ ISO9241-307/ CE/FCC/VCCI/RCM/C-TICK/IC/ India BIS/ Taiwan BSMI/ Mexico NOM/ South Africa Energy Efficiency/ Argentina S-Mark/ Singapore PSB/ Cambodia ISC/ EAC//Mexico Energy /CEL/Ukraine(DOC&COC)/NRCS/CU EAC/BELARUS Energy
	Microsoft WHQL Certification	Windows 11
	ENERGY STAR® Certified	Yes
	EPEAT® Registered	EPEAT® Gold in the United States*
	Regions need to verify by country	*Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. Status varies by country. Visit http://www.epeat.net for more information.
	China Energy Label	CEL Grade 2
	TCO Certified Edge	Yes
	TCO Certified	Yes
	SmartWay Transport Partnership - NA only	Yes (NA sku)
Contains Recycled Plastics	Contains Recycled Plastics	Contains 5% Ocean-Bound Plastic*, 85% ITE-derived closed loop plastic** *All plastic parts contain ocean-bound plastic. Percentage of ocean-bound plastic contained in each component varies by product. ** ITE Derived Closed Loop Plastic percentage is based on the definition set in the IEEE 1680.1-2018 standard.
	Recycled Metals	90% recycled metal * *Recycled metal is expressed as a percentage of the total weight of the metal according to ISO 14021 definitions for metal parts over 25 grams.
	Recyclable Packaging (Box, packing materials)	Outside Box and corrugated cushions are 100% sustainably sourced and recyclable* *100% outer box packaging and corrugated cushions made from sustainably sourced certified and recycled fibers.
Unit Product/Package Specifications	Product Dimensions (Unpacked with stand) (W x D x H)	Metric
		Imperial
		71.35 x 21.7 x 60.49 cm
		28.09 x 8.54 x 23.81 in

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	Product Dimensions (Packed) (W x D x H)	81.6 x 18.5 x 50.4 cm	32.13 x 7.28 x 19.84 in
	Display Head Dimensions (Unpacked without stand) (W x D x H)	71.35 x 4.7 x 41.59 cm	28.09 x 1.85 x 16.37 in
	Base Area Footprint (w x d)	260 x 217 mm	10.24 x 8.54 in
	Bezel Measurements	Top:8.1 Sides:8.1 Bottom:9.4	Top:0.32 Sides:0.32 Bottom : 0.37
	Product Weight (Unpacked with stand)	8.77 kg	19.33 lb
	Product Weight (Packed)	13.57kg	29.91lb
	Product Weight (Head Only)	6.79 kg	14.97 lb
Pallet Information	Pallet Dimensions (L x W x H mm)	(20' ft/40' ft) Slip Sheet: 1140x830x2038mm (20' ft/40' ft) Pallet: 1140x830x2158mm (40' HQ) Slip Sheet: 1140x830x2545mm (40' HQ) Pallet: 1140x830x2158mm	(20' ft/40' ft) Slip Sheet: 44.88x32.68x80.24 inch (20' ft/40' ft) Pallet: 44.88x32.68x84.96 inch (40' HQ) Slip Sheet: 44.88x32.68x100.20 inch (40' HQ) Pallet: 44.88x32.68x84.96 inch
	Pallet Total Weight	(20' ft/40' ft) Slip Sheet: 330.68 KG (20' ft/40' ft) Pallet: 339.3 KG (40' HQ) Slip Sheet: 412.1 KG (40' HQ) Pallet: 339.3 KG	(20' ft/40' ft) Slip Sheet: 727.5 lb (20' ft/40' ft) Pallet: 746.5 lb (40' HQ) Slip Sheet: 906.6 lb (40' HQ) Pallet: 746.5 lb
	Pallet Layers	4 / 5 (slip sheet)	
	Pallet Product per Layer	6	
	Total Products per Pallet	24 sets per pallet (40' ft)	
	Container Load, 20-Foot	336 sets (slip sheet and pallet)	
	Container Load, 40-Foot	672 sets (slip sheet and pallet)	
	Container Load, 40-Foot HighQ	672 / 840 sets (slip sheet)	
What's in the box?	AC power cord (1.83m) 5.9ft HDMI 2.0 cable (1.8m) 5.9 ft USB 3.0 A-B cable (1.8m) TBT4 cable (1.0m) DP 1.4 cable (1.8m) Warranty Quick Setup Poster VESA mount adaptor Color calibration report		

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

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ENVIRONMENTAL DATA

Eco-Label Certifications & declarations	<p>This product has received or is in the process of being certified to the following approvals and may be labeled with one or more of these marks:</p> <ul style="list-style-type: none"> • IT ECO declaration • US ENERGY STAR® • US Federal Energy Management Program (FEMP) • EPEAT® Gold registered in the United States. See http://www.epeat.net for registration status in your country. • TCO or TCO Certified Edge • China Energy Conservation Program (CECP) • China State Environmental Protection Administration (SEPA) • Taiwan Green Mark • Korea Eco-label • Japan PC Green label* 		
Sustainable Impact Specifications	<ul style="list-style-type: none"> • Ocean-bound plastic in Stand (part(s)) • 85% post-consumer recycled plastic • Low halogen • Outside Box and corrugated cushions are 100% sustainably sourced and recyclable • Molded Paper Pulp Cushion inside box is 100% sustainably sourced and recyclable • Recycled Plastic cushions 		
System Configuration	<p>The configuration used for the Energy Consumption and Declared Noise Emissions data for the Notebook model is based on a “Typically Configured Notebook”.</p>		
Energy Consumption (in accordance with US ENERGY STAR® test method)	115VAC, 60Hz	230VAC, 50Hz	100VAC, 50Hz
Normal Operation (Short idle)	31.14 W	31.2 W	31.08 W
Normal Operation (Long idle)	N/A	N/A	N/A
Sleep	0.41 W	0.43 W	0.41 W
Off	0.27 W	0.27 W	0.27 W
	<p>NOTE: Energy efficiency data listed is for an ENERGY STAR® compliant product if offered within the model family. HP computers marked with the ENERGY STAR® Logo are compliant with the applicable U.S. Environmental Protection Agency (EPA) ENERGY STAR® specifications for computers. If a model family does not offer ENERGY STAR® compliant configurations, then energy efficiency data listed is for a typically configured PC featuring a hard disk drive, a high efficiency power supply, and a Microsoft Windows® operating system.</p>		
Heat Dissipation*	115VAC, 60Hz	230VAC, 50Hz	100VAC, 50Hz
Normal Operation (Short idle)	105 BTU/hr	105 BTU/hr	105 BTU/hr
Normal Operation (Long idle)	N/A	N/A	N/A
Sleep	1.5 BTU/hr	1.5 BTU/hr	1.5 BTU/hr
Off	1 BTU/hr	1 BTU/hr	1 BTU/hr

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	<p>*NOTE: Heat dissipation is calculated based on the measured watts, assuming the service level is attained for one hour.</p>		
Longevity and Upgrading	<p>This product can be upgraded, possibly extending its useful life by several years. Upgradeable features and/or components contained in the</p>		
	<p>Spare parts are available throughout the warranty period and or for up to “5” years after the end of production.</p>		
Additional Information	<ul style="list-style-type: none"> • 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, see www.epeat.net • Plastics parts weighing over 25 grams used in the product are marked per ISO11469 and ISO1043. • This product is 97.27% recycle-able when properly disposed of at end of life. 		
Packaging Materials	External:	PAPER/Paperboard	1774 g
		PAPER/Molded Pulp	2083 g
		PLASTIC/Polyethylene high density - HDPE	59 g
	Internal:	PLASTIC/Polyethylene Expanded – EPE	59 g
	<p>The plastic packaging material contains at least 0% recycled content.</p>		
	<p>The corrugated paper packaging materials contains at least 90% recycled content.</p>		
RoHS Compliance	<p>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.</p> <p>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.</p> <p>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.</p> <p>To obtain a copy of the HP RoHS Compliance Statement, see HP RoHS position statement.</p>		
Material Usage	<p>This product does not contain any of the following substances in excess of regulatory limits (refer to the HP General Specification for the Environment at http://www.hp.com/hpinfo/globalcitizenship/environment/supplychain/gen_specifications.html):</p> <ul style="list-style-type: none"> • Asbestos • Certain Azo Colorants • Certain Brominated Flame Retardants – may not be used as flame retardants in plastics 		

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	<ul style="list-style-type: none"> • Cadmium • Chlorinated Hydrocarbons • Chlorinated Paraffins • Bis(2-Ethylhexyl) phthalate (DEHP) • Benzyl butyl phthalate (BBP) • Dibutyl phthalate (DBP) • Diisobutyl phthalate (DIBP) • Formaldehyde • 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)
<p>Packaging Usage</p>	<p>HP follows these guidelines to decrease the environmental impact of product packaging:</p> <ul style="list-style-type: none"> • 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. • 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>End-of-life Management and Recycling</p>	<p>HP offers end-of-life HP product return and recycling programs in many geographic areas. 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.</p> <p>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: 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.</p>

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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	<ul style="list-style-type: none">• 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.

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Summary

Change Log

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	V1 to V2		