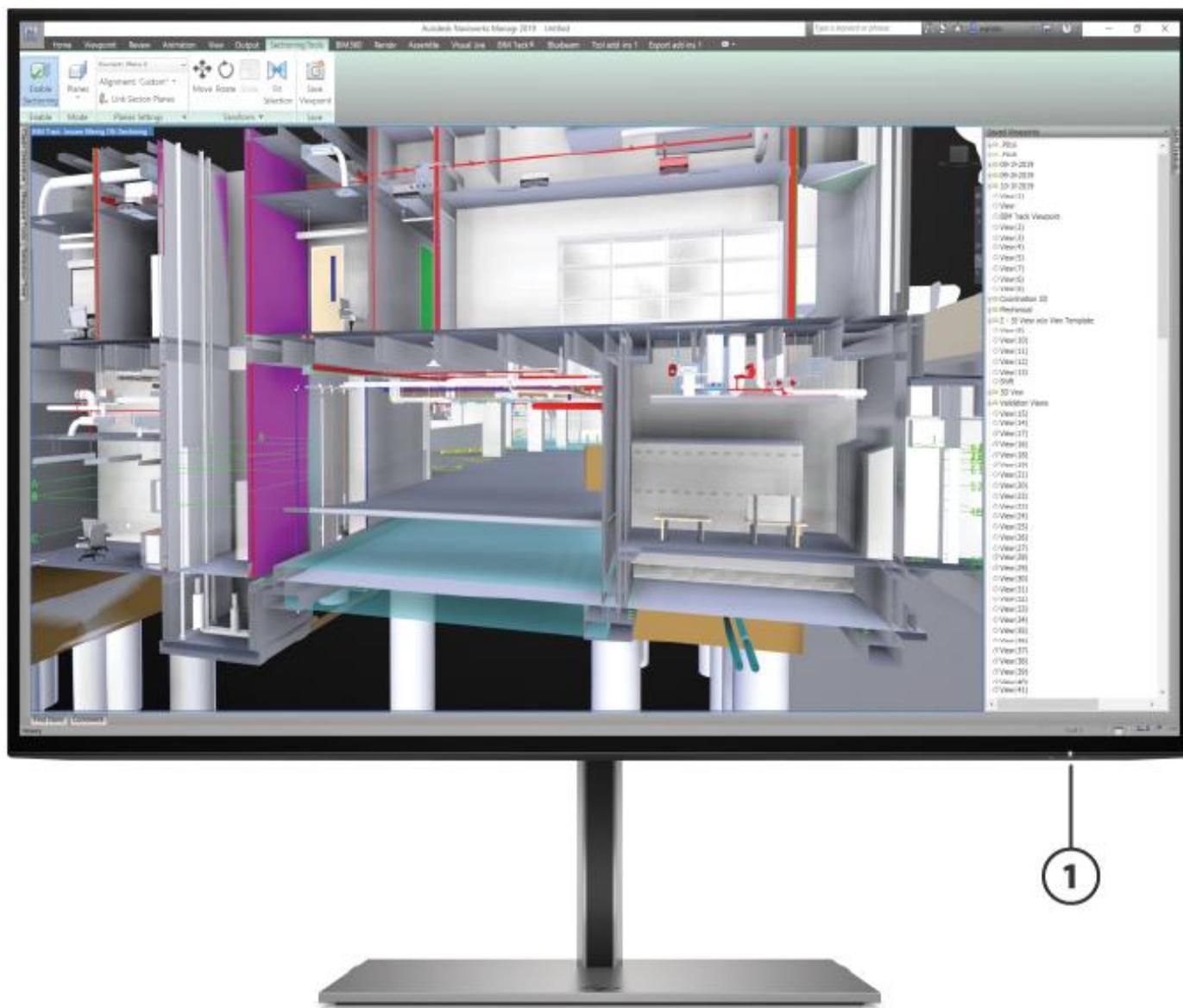# QuickSpecs

Technical Specifications

HP Z24u G3 WUXGA USB-C Display

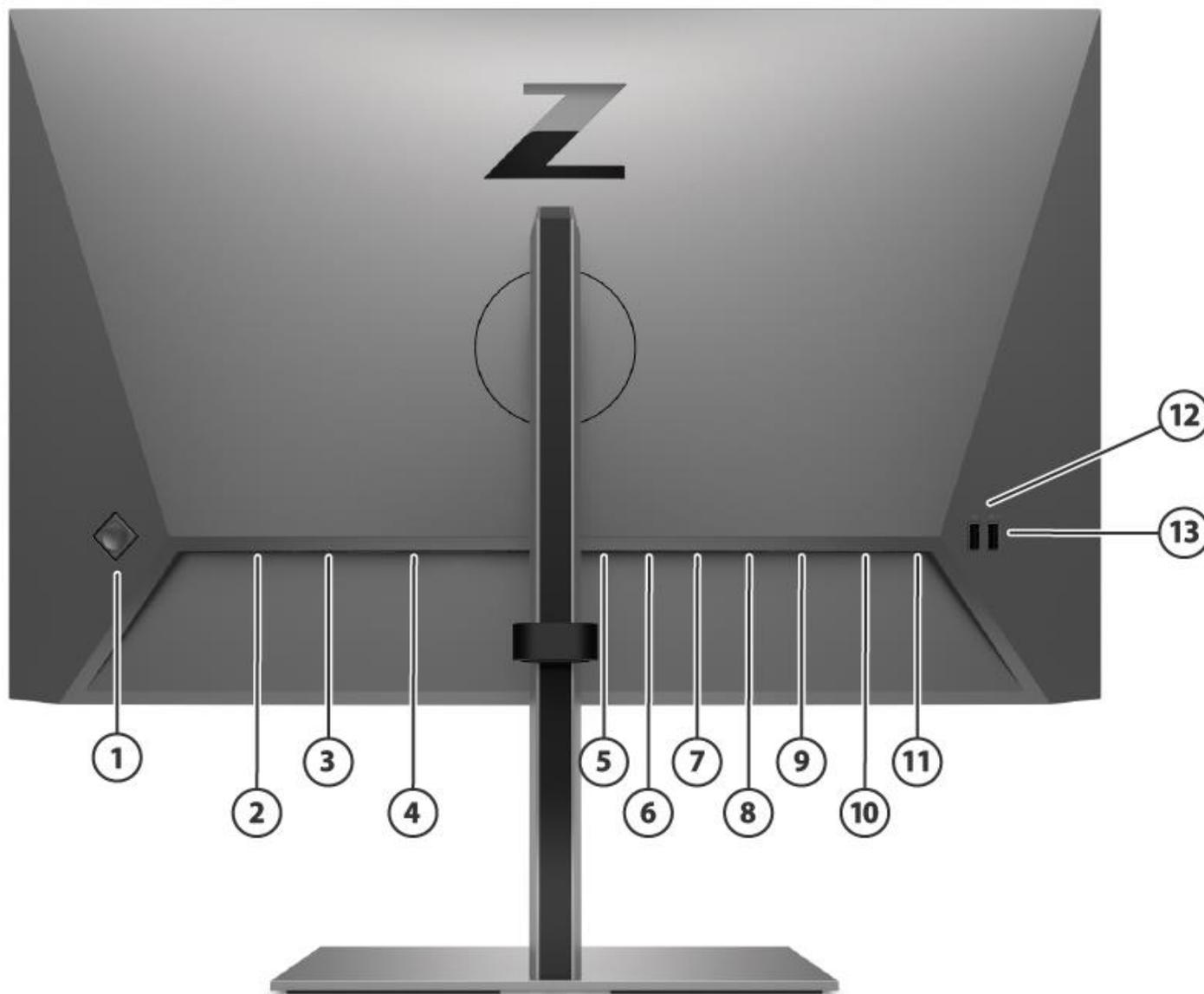**Front**

1. Power button

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HP Z24u G3 WUXGA USB-C Display

Back

1.	OSD control	**8.**	USB Type-C™ port with DP Alt Mode 1.4, USB upstream data, and maximum power delivery up to 100 W
2.	Security cable slot	**9.**	RJ-45 (network) jack
3.	Master power switch	**10.**	USB port
4.	Power connector	**11.**	USB port (Battery charging 1.2, 7.5W)
5.	HDMI port	**12.**	USB port
6.	DisplayPort™ connector	**13.**	USB port (Battery charging 1.2, 7.5W)
7.	DisplayPort™ connector (out)		

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Panel Specifications		
	Display Size (Diagonal)	24"
	Panel Technology	IPS
	Refresh Rate	60 Hz
	Panel Bit Depth	8 bit (6bit + FRC)
	Aspect Ratio	16:10
	Brightness (Typical)	350 nits
	Contrast Ratio (Static)	1000:1
	Contrast Ratio Minimum (Static)	700:1
	Dynamic Contrast Ratio	10M:1
	Flicker Free	Yes
	Pixel Pitch	0.270 (mm) x 0.270 (mm)
	Pixels Per Inch (PPI)	96 PPI
	Backlight Lamp Life Minimum (To Half Brightness - In Hours)	30k
	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)	518.4(H)*324.0(V)

NOTE: Performance Specifications Represent The Typical Specifications Provided By HP's Component Manufacturers; Actual Performance May Vary Either Higher Or Lower.

Color		
	sRGB	99%
	DCI-P3 (P3 D65)	85%

Color Management		
	Factory Color Calibrated	Yes (Delta E <=2)
	Calibrated Color Presets	sRGB, BT.709, P3 D65
	RGB Channel Adjust	Yes, Gain
	Default Color Temperature	sRGB

Monitor Specifications		
	Bezel	4-sided Micro Edge
	Color	(Head) Turbo Silver; (Stand) Turbo Silver
	Tilt	-5 to +20°
	Swivel	±45°
	Pivot	±90
	Height Adjust Range	150mm
	VESA Mounting	N/A
	Security Lock Ready	Standard Security Lock Slot
	Detachable Stand	Yes
	Warranty (Number of Years)	3/3/0 for LA, NA, EMEA, APJ; (3/3/3 in select APJ Countries)
	Low Blue Light Mode	Yes, HP Eye Ease (TÜV Low Blue Light Hardware Solution certified)
	Display Management Software	HP Display Center
	On Screen Display	Brightness +, Color, Image, Input, Power, Menu,

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	Management, Information, Exit
Native Resolution[1]	WUXGA (1920 x 1200)

1. Apply to high resolution and/or high frame rate displays only.

Maximum Resolution	1920×1200 @ 60HZ
Preset Graphic Modes/Supported Resolutions	**Preset Graphic Modes**
	640 × 480@60Hz
	800 × 600@60Hz
	1024 × 768@60Hz
	1280 × 800@60Hz
	1280 × 1024@60Hz
	1440 × 900@60Hz
	1600 × 900@60Hz
	1600 × 1200@60Hz
	1680 × 1050@60Hz
	1920 × 1080@60Hz
	1920 × 1200@60Hz
	High Definition video
	640*480p@60Hz
	720*480p@60Hz
	720*480i@60Hz
	720*576i@50Hz
	720*576p@50Hz
	1280*720p@50Hz
	1280*720p@60Hz
	1920*1080i@50Hz
	1920*1080i@60Hz
	1920*1080p@50Hz
	1920*1080p@60Hz
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, 4 buttons
Languages	10 (English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, T-Chinese and S-Chinese)

Connector Types	**DisplayPort™**	1 DisplayPort™ 1.4
	DisplayPort™ Out	1 DisplayPort™ 1.4-out
	HDMI	1 HDMI 2.0
	USB Type-C™ Video Input	1 USB Type-C™ (DP Alt Mode 1.4, power delivery up to 100W)
	USB- A	4 USB-A 3.2 Gen 1 (2 for battery charging 1.2, 7.5W)
	Ethernet	Yes

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Special Features	**Picture-in-Picture, Picture-by-Picture**	Yes
	DaisyChain/DisplayPort Multi stream Transport (MST)	Yes
	User Updateable Firmware	Yes
Power & Operating Specs	**Power Supply**	Internal
	Power Source	100 – 240 VAC 50/60 Hz
	Power Consumption- MAX	160 W
	Energy Saving/Stand By Mode	0.5 W
	Power Consumption- Typical	32 W
	Power Cable Length	1.9 m
ENERGY STAR Data	**Operational Mode at 100 VAC**	18.7 W
	Operational Mode at 115 VAC	18.7 W
	Operational Mode at 230 VAC	18.7 W
EU Energy Efficiency Class (ERP Lot-5)	**On-mode Power Consumption**	18.6 W
	Annual Power Consumption	28 kWh
	Energy Efficiency Class	E
Operating Conditions	**Operating Temperature - Celsius**	5° – 35°C
	Operating Temperature - Fahrenheit	41° – 95°F
	Non-operating Temperature - Celsius	−34° – 60°C
	Non-operating Temperature - Fahrenheit	29° – 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
	Low Halogen	Yes
	Agency Approvals And Certifications	WW application CE,CB,KC/KCC/NOM/PSB/EAC/GS/TUV-S/ISO 9241-307/ Low Blue Light/ BIS/cTUVus/CCC/CEL/CECP/SEPA/Energy Star/TCO/TCO Certified Edge/VCCI/FCC/BSMI/WEEE/UAE/Ukraine/ERP/ISC
	Microsoft WHQL Certification	Yes
	ENERGY STAR® Certified	Yes
	EPEAT® Registered Regions need to verify by country	Yes
	China Energy Label	CEL Grade 1
	TCO Certified Edge	Yes
	TCO Certified	Yes
	SmartWay Transport Partnership - NA only	Yes (NA sku)

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Contains Recycled Plastics			
	Contains Recycled Plastics	81.11%	
	Recyclable Packaging (Box, packing materials)	100% recyclable packaging.	

Unit Product/Package Specifications			
	Product Dimensions (Unpacked with stand) (W x D x H)	53.17 x 19.5 x 52.14 cm	20.93 x 7.68 x 20.53 in
	Product Dimensions (Packed) (W x D x H)	62.5 x 41.5 x 14.2 cm	24.61 x 16.34 x 5.59 in
	Display Head Dimensions (Unpacked without stand) (W x D x H)	53.17 x 3.85 x 34.29 cm	20.93 x 1.52 x 13.5 in
	Base Area Footprint (w x d mm)	232 x 195 mm	9.13 x 7.7 in
	Bezel Measurements - Metric	Bottom Cover: 521.33mm	Bottom Cover: 20.52 in
	Product Weight (Unpacked with stand)	5.3 kg	11.69 lb
	Product Weight (Packed)	8.1 kg	17.86 lb
	Product Weight (Head Only)	4.03 kg	8.88 lb

What's in the box?

Documentation kit
DP 1.4 Cable (1.8m)
HDMI 2.0 cable (1.8m, Production after May'21)
USB 3.2 Gen1 Type C to C (1.8m)
Power cable
VESA Adapter
Cable Holder

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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ENVIRONMENTAL DATA

Eco-Label Certifications & declarations	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: • IT ECO declaration • US ENERGY STAR® • TCO EDGE • EPEAT® Gold registered in the United States. See http://www.epeat.net for registration status in your country. • US Federal Energy Management Program (FEMP)		
Sustainable Impact Specifications	• Ocean-bound plastic in (part(s)) • 77.55 % post-consumer recycled plastic • Low halogen • Outside Box and corrugated cushions are 100% sustainably sourced and recyclable		
Energy Consumption (in accordance with US ENERGY STAR® test method)	**115VAC, 60Hz**	**230VAC, 50Hz**	**100VAC, 50Hz**
Normal Operation	18.09 W	18.34 W	18.26 W
Sleep	0.21 W	0.21 W	0.22 W
Off	0.24 W	0.24 W	0.25 W
Heat Dissipation*	**115VAC, 60Hz**	**230VAC, 50Hz**	**100VAC, 50Hz**
Normal Operation	62 BUT/hr	62 BUT/hr	62 BUT/hr
Sleep	1 BUT/hr	1 BUT/hr	1 BUT/hr
Off	1 BUT/hr	1 BUT/hr	1 BUT/hr
	*NOTE: Heat dissipation is calculated based on the measured watts, assuming the service level is attained for one hour.		
Additional Information	• This product is in compliance with the Restrictions of Hazardous Substances (RoHS) directive - 2002/95/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 Silver level, see http://www.epeat.net • Plastics parts weighing over 25 grams used in the product are marked per ISO 11469 and ISO1043. • This product is 98.5% recycle-able when properly disposed of at end of life.		
Packaging Materials	**External:**	PAPER/Paper	2085 g
		PLASTIC/Polyethylene Expanded - EPE	52 g
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		

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	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 copy of the HP RoHS Compliance Statement, see HP RoHS position statement.
Material Usage	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): - Asbestos - Certain Azo Colorants - 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) - 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)

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Packaging	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. • 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.
End-of-life Management and Recycling	Hewlett-Packard 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. 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.
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://www.hp.com/hpinfo/globalcitizenship/environment/productdesign/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

Change Log

April 16, 2021	V1 to V2	Update	VESA Mounting Specs
May 20, 2021	V2 to V3	Add	Environmental Data
June 1, 2021	V3 to V4	Update	Color Management
June 24, 2021	V4 to V5	Update	What's in the box? section