

Technical Specifications

HP Z40c G3 WUHD Curved Display



Front

- | | |
|--------------------|------------------------------|
| 1. Tilt levers | 7. Speakers |
| 2. Microphones (2) | 8. USB Ports (2) |
| 3. Camera Light | 9. PbP or Brightness buttons |
| 4. Camera RGB Lens | 10. Power Button |
| 5. Camera IR Lens | 11. Power LED |
| 6. Camera IR Light | |

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Back

- | | |
|------------------------|---------------------------|
| 1. OSD Button | 5. DisplayPort™ connector |
| 2. Security Cable Slot | 6. Thunderbolt ports (2) |
| 3. Power Connector | 7. RJ-45 (Network) Port |
| 4. HDMI Port | 8. USB Ports (2) |

Technical Specifications

Model: 3A6F7AA

Panel Specifications	Display Size (Diagonal)	39.7 inches
	Panel Technology	IPS
	Curved	2500R
	Max Refresh Rate	60HZ
	Native Resolution	WUHD (5120 x 2160)
	Panel Bit Depth	10 bit (8bit +FRC)
	Aspect Ratio	21:9
	Brightness (Typical)	300 nits
	Contrast Ratio (Static)	1,000: 1
	Dynamic Contrast Ratio	10M:1
	Flicker Free	Yes
	Pixel Pitch	0.18 x 0.18mm
	Pixels Per Inch (PPI)	139 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)	14ms GtG
	Horizontal Viewing Angle (Typical CR>10)	178°
	Vertical Viewing Angle (Typical CR>10)	178°
	Panel Active Area Metric (W x H)	92.928 x 39.204 cm
	Panel Active Area Imperial (W x H)	36.59 x 15.43 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%
	BT.709	100%
Color Management	Factory Color Calibrated	Yes
	Calibrated Color Presets	DCI P3 D65, BT.709, sRGB D65
	Color Space/ Subsampling Support	RGB 4:4:4, YCBCR 4:4:4, YCBCR 4:2:2
	RGB Channel Adjust	Yes, Gain
	Default Color Temperature	DCI P3 (D65)
Monitor Specifications	Bezel Type	3-sided borderless
	Color Of Stand	Black/ Silver
	Color Of Head	Black/ Silver
	Tilt	-5° to +20°
	Swivel	±30°
	Height Adjust Range	150 mm

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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
Webcam	13 MP
Webcam Features	Independent tilt -20° to 5°; Windows Hello support (IR Sensor); Pop-up privacy
Windows Hello Compatible	Yes
Microphone	Yes (noise cancelling)
Speaker Output Power	2 x 5W
Certified Collaboration Software	Zoom
Display 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, Image, Input, PbP, Power, Menu, Management, Exit
	Native Resolution WUHD (5120 x 2160) NOTE: 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 5120 x 2160 at 60 Hz with 10-bit color using one DP, HDMI, or USB-C (DP alt mode).
Maximum Resolution	5120x2160 @60Hz
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 800 @ 60 Hz 1280 x 1024 @ 60 Hz 1440 x 900 @ 60 Hz 1600 x 900 @ 60 Hz 1600 x 1200 @ 60 Hz 1680 x 1050 @ 60 Hz 1920 x 1080 @ 60 Hz 1920 x 1200 @ 60 Hz 2560 x 1440 @ 60 Hz 2560 x 1600 @ 60 Hz 2560 x 2160 @ 60 Hz (PbP) 3840 x 2160 @ 30 Hz 3840 x 2160 @ 60 Hz 4096 x 2160 @ 30 Hz 4096 x 2160 @ 60 Hz 5120 x 2160 @ 30 Hz 5120 x 2160 @ 60 Hz (Except HDMI)

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	Minimum Vertical Scan Rate	29 Hz
	Maximum Vertical Scan Rate	71 Hz
	Minimum Horizontal Scan Rate	15.0 kHz
	Maximum Horizontal Scan Rate	134.0 kHz
	Maximum Pixel Clock	710.0 MHz
	User-Assignable Function Buttons	Yes, 4 (8 options)
	Audio	Built-in speakers
	Languages	11 (English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, T-Chinese and S-Chinese, Russian)
Connector Types	DisplayPort™	1 DisplayPort™ 1.4
	HDMI	1 HDMI 2.0
	HDCP	Yes, DisplayPort and HDMI
	USB Type-C® Video Input & Data Transfer	2 Thunderbolt 3.0 up to 40Gbps signaling rate (Up to 100W USB Power Delivery, Alt Mode DisplayPort™ 1.4, SuperSpeed USB 5Gbps signaling rate)
	USB- A	4 SuperSpeed USB Type-A 5Gbps signaling rate
Special Features	ETHERNET	Yes
	Picture-in-Picture, Picture-by-Picture SWITCH	Yes, PBP only OSD buttons (up/down/left/right/enter) PbP or Brightness buttons (L/R when PbP on, Plus ("+")/Minus ("-") when PbP off.
	Remote Manageability	In-Band MAPT, In-Band WoL, PXE Boot
	Video legal limiting (64–960)	Yes
	User Updateable Firmware	Yes
Power & Operating Specs	Device Bridge 2.0	Yes
	Power Supply	Internal
	Power Source	100 – 240 VAC 50/60 Hz
	Power Consumption- Max	310 W
	Energy Saving/Stand By Mode	0.5 W
Energy Star Data	Power Consumption- Typical	72 W
	Operational Mode at 100 VAC	52.54 W
	Operational Mode at 115 VAC	52.51 W
	Operational Mode at 230 VAC	52.63 W
EU Energy Efficiency Class (ErP LOT-5)	On-mode Power Consumption	51
	Energy Efficiency Class	
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)

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	Non-Operating Humidity	5 – 95%	
	Operating Altitude	0 – 5,000 m (16,400 ft.)	
	Non-operating Altitude	0 – 12,192 m (40,000 ft.)	
Certifications and Compliances	Agency Approvals and Certifications	WW application CE, CB,KC/KCC/NOM/PSB/ISC/EAC/GS/TUV-S/ISO 9241-307/ Low Blue Light/UAE/Ukraine/South Africa/BIS/cTUVus/ISC/CCC/CEL/CECP/SEPA/Energy Star/TCO/VCCI/FCC/BSMI/E- Standby/WEEE/Zoom/Microsoft Hello	
	Microsoft WHQL Certification	Win 10	
	SmartWay Transport Partnership - NA only	Yes (NA sku)	
Unit Product/Package Specifications	Product Dimensions (Unpacked with stand) (W x D x H)	Metric 94.74 x 29.25 x 64.48 cm	Imperial 37.3 x 11.52 x 25.38 in
	Product Dimensions (Packed) (W x D x H)	107.0 x 22.6 x 55.8 cm	42.16 x 8.9 x 21.97 in
	Display Head Dimensions (Unpacked without stand) (W x D x H)	94.74 x 14.195 x 44.71 cm	37.3 x 5.59 x 17.6 in
	Base Area Footprint (w x d mm)	300 x 270 mm	11.81 x 10.63 in
	Bezel Measurements (Unpacked with stand) (W x D x H)	42.6 mm	1.68 in
	Product Weight (Unpacked with stand)	14.3 kg	31.53 lb
	Product Weight (Packed)	20.6 kg	45.42 lb
	Product Weight (Head Only)	11.62 kg	25.62 lb
Pallet Information	Pallet Dimensions (L x W x H mm)	1080 x 1150 x 1801 mm (Gma Pallet)	42.52 x 45.28 x 70.91 in (Gma Pallet)
		1080 x 1150 x 1811 mm (Block Pallet)	42.52 x 45.28 x 71.3 in (Block Pallet)
		1080 x 1150 x 2246.2 mm (Paper Slip Sheet)	42.52 x 45.28 x 88.43 in (Paper Slip Sheet)
	Pallet Total Weight	327.69Kg (GMA Pallet)	722.43 lb (GMA Pallet)
		325.33Kg (Block Pallet)	717.23 lb (Block Pallet)
		420.26Kg (Paper Slip Sheet)	926.51 lb (Paper Slip Sheet)
	Pallet Layers	4 or 3 layers per (slip sheet & pallet)	
	Pallet Product per Layer	5 per layer	
	Total Products per Pallet	20sets or 15sets (slip sheet & pallet)	
	Container Load, 20-Foot	150sets (Pallet)	
	Container Load, 40-Foot	330sets (Pallet)	
	Container Load, 40-Foot HighQ	440 sets (Slip Sheet)	

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What's in the box?	AC power cord (1.9m) 6.2 ft
	HDMI cable (1.8m) 5.9 ft
	DP Cable (1.8m) 5.9 ft
	Thunderbolt cable(1m) 3.3 ft
	Warranty Card
	QSP
	Color calibration report
User Guide and Warranty Languages	VESA Adapter

User Guide 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

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

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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® • 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 Certified • China Energy Conservation Program (CECP) • China State Environmental Protection Administration (SEPA) • Taiwan Green Mark • Korea Eco-label • Japan PC Green label*		
Sustainable Impact Specifications	• Ocean-bound plastic in Stand • 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	The configuration used for the Energy Consumption and Declared Noise Emissions data for the Notebook model is based on a “Typically Configured Notebook”.		
Energy Consumption (in accordance with US ENERGY STAR® test method)	115VAC, 60Hz	230VAC, 50Hz	100VAC, 50Hz
Normal Operation (Short idle)	52.33 W	52.63 W	5.43 W
Normal Operation (Long idle)	N/A	N/A	N/A
Sleep	0.32 W	0.37 W	0.32 W
Off	0.22 W	0.37 W	0.22 W
	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.		
Heat Dissipation*	115VAC, 60Hz	230VAC, 50Hz	100VAC, 50Hz
Normal Operation (Short idle)	179 BTU/hr	180 BTU/hr	18.6 BTU/hr
Normal Operation (Long idle)	N/A	N/A	N/A
Sleep	1.1 BTU/hr	1.3 BTU/hr	1.1 BTU/hr

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Off	0.8 BTU/hr	1.3 BTU/hr	0.8 BTU/hr
	*NOTE: Heat dissipation is calculated based on the measured watts, assuming the service level is attained for one hour.		
Longevity and Upgrading	This product can be upgraded, possibly extending its useful life by several years. Upgradeable features and/or components contained in the 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, see http://www.epeat.net - Plastics parts weighing over 25 grams used in the product are marked per ISO11469 and ISO1043. - This product is 98.3% recycle-able when properly disposed of at end of life.		
Packaging Materials	External:	PAPER/Paperboard	5313 g
	Internal:	PLASTIC/Polyethylene Expanded - EPE	162 g
	The plastic packaging material contains at least 57% 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 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		

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	• 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)
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. • 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	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. 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.

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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	• 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			
January 6, 2022	V1 to V2	Add	Environmental Data
January 10, 2022	V2 to V3	Update	Color section
	V3 to V4		