Technical Specifications

HP Engage 15t XGA No Stand Monitor

Front

1. Power Button
2. OSD Buttons

3. Audio Jack

Technical Specifications

Models: 67Q84AA, 67Q84A7

Panel Specifications		
	Display Size (Diagonal)	15 inch
	Panel Technology	VA
	Max Refresh Rate	60 Hz
	Native Resolution	XGA (1024 x 768)
	Panel Bit Depth	8 bit
	Aspect Ratio	4:3
	Brightness (Typical)	255 nits
	Contrast Ratio (Static)	2500:1
	Pixel Pitch	0.297
	Pixels Per Inch (PPI)	85 PPI
	Display Colors	Up to 16.7 million colors supported
	Backlight Lamp Life Minimum (To Half Brightness - In Hours)	70k
	Backlight Type	Edge-lit
	Screen Treatment	Anti-glare
	Hardness	6H
	Haze	3~10%
	Response Time (Typical)	5ms GtG (with overdrive)
	Horizontal Viewing Angle (Typical CR>10)	176°
	Vertical Viewing Angle (Typical CR>10)	176°
	Panel Active Area Metric (W x H)	30.41 x 22.81 cm
	Panel Active Area Imperial (W x H)	11.97 x 8.98 in

NOTE: Performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.

Color Management		
	Color Space/ Subsampling Support	RGB 4:4:4
	RGB Channel Adjust	Yes, Setup and Gain, downstream from color preset
	Default Color Temperature	Standard (6500K)

Monitor Specifications		
	Bezel Type	Standard
	Color Of Stand	Black
	Color Of Head	Black
	VESA Mounting	100 mm x 100 mm (bracket included)
	Detachable Stand	Yes
	Touch Technology	Projected Capacitive technology

Multimedia		
	Speaker Output Power	2 x 2W

On Screen Display (OSD)		
	On Screen Display	Brightness, Color Control, Image Control, Input Control, Power Control, Menu Control, Management, Information, Exit
	Native Resolution	XGA (1024 x 768)*
		*Apply to high resolution and/or high frame rate displays only. CONFIRM WITH EPM whether disclaimer applies.
	Maximum Resolution	XGA (1024 x 768)
	Preset Graphic Modes/Supported Resolutions	640 x 480 @ 60Hz
		720 x 400 @ 70 Hz
		800 x 600 @ 60 Hz
		1024 x 768 @ 60 Hz
	Minimum Vertical Scan Rate	55 Hz
	Maximum Vertical Scan Rate	70 Hz
	Minimum Horizontal Scan Rate	30.0 kHz

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	Maximum Horizontal Scan Rate	60.0 kHz
	Maximum Pixel Clock	80.0 MHz
	User Programmable Modes	Yes,10
	User-Assignable Function Buttons	Yes, 3 (4 options)
	Audio	Built-in speakers
	Languages	11 (English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, T-Chinese, S-Chinese and Russian)
Connector Types	**DisplayPort™**	1 DisplayPort™ 1.2
	USB- A	2 SuperSpeed USB Type-A 5Gbps signaling rate
	USB-B (Hub enablement)	1 USB-B
	Audio Port	1 x 3.5 mm Audio Jack (Audio Out)
Special Features	**SWITCH**	Power, Menu/OK/Enter, Information/Down/Minus ("-"), color/UP/Plus("+"), Brightness/Back/Exit
	User Presets	4
	User Updateable Firmware	Yes
Power & Operating Specs	**Power Supply**	External
	Power Source	100 – 240 VAC 50/60 Hz
	Power Consumption- Max	29W
	Energy Saving/Stand By Mode	0.5W
	Power Consumption- Typical	15W
Energy Star Data	**Operational Mode at 100 VAC**	7.93W
	Operational Mode at 115 VAC	7.95W
	Operational Mode at 230 VAC	7.98W
EU Energy Efficiency Class (ErP LOT-5)	**On-mode Power Consumption for Standard Dynamic Range (SDR)**	9
	ErP LOT5 Energy Efficiency Class for Standard Dynamic Range (SDR)	A↕G **D**
Operating Conditions	**Operating Temperature - Celsius**	5° – 35°C
	Operating Temperature - Fahrenheit	41° – 95°F
	Non-operating Temperature - Celsius	-40°C – 65°C
	Non-operating Temperature - Fahrenheit	–4° – 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.)
Certifications and Compliances	**Low Halogen**	Yes
	Agency Approvals and Certifications	UAE/EUP Lot6 and Lot26/ Eup Lot5/ Energy Star 8.0/ CEC/ TUV-GS/ China CCC/ 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/ Singapore PSB/ Combodia ISC/ EAC//Mexico Energy /CEL/Ukraine(DOC&COC)/NRCS/CU EAC/BELARUS Energy
	Microsoft WHQL Certification	Windows 10
	ENERGY STAR® Certified	Yes

QuickSpecs

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	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.	
	China Energy Label	CEL Grade 1	
Recycled Plastics	**Contains Recycled Plastics**	5% post-consumer recycled plastic* *Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 EPEAT standard.	
	Recycled Aluminum	90%* *90% aluminum is on Rear Cover Plate.	
	Recyclable Packaging (Box, packing materials)	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.	

		Metric	**Imperial**
Unit Product/Package Specifications	**Product Dimensions** (Unpacked with stand) (W x D x H)	34.83 x 24.07 x 30.44 cm	13.71 x 9.48 x 11.98 inch
	Product Dimensions (Packed) (W x D x H)	41.6 x 14 x 33 cm	16.38 x 5.51 x 12.99 in
	Display Head Dimensions (Unpacked without stand) (W x D x H)	34.83 x 3.24 x 27.23 cm	13.71 x 1.28 x 10.72 inch
	Base Area Footprint (w x d mm)	305 x 220 mm	12 x 8.66 inch
	Bezel Measurements	Top: 21.6 Sides: 21.6 Bottom: 21.6	Top: 0.85 Sides: 0.85 Bottom: 0.85
	Product Weight (Unpacked with stand)	4.71 kg	10.38 lb
	Product Weight (Packed)	3.9 kg	8.58 lb
	Product Weight (Head Only)	2.83 kg	6.24 lb
Pallet Information	**Pallet Dimensions** (L x W x H)	(20' ft/40' ft) Slip Sheet: 1140 x 850 x 2008 mm (20' ft/40' ft) Pallet: 1140 x 850 x 2128 mm (40' HQ) Slip Sheet: 1140 x 850 x 2341 mm (40' HQ) Pallet: 1140 x 850 x 2461 mm	(20' ft/40' ft) Slip Sheet: 44.88 x 33.46 x 79.06 inch (20' ft/40' ft) Pallet: 44.88 x 33.46 x 83.78 inch (40' HQ) Slip Sheet: 44.88 x 33.46 x 92.17 inch (40' HQ) Pallet: 44.88x33.46x96.89 inch
	Pallet Total Weight	Slip Sheet: 379.4 kg (40' ft) Pallet: 389.4kg (40' ft)	Slip Sheet: 834.68 lb(40' ft) Pallet: 856.68 lb (40' ft)
	Pallet Layers	(20' ft/40' ft) 6 layers per pallet (40' HQ) 7 layers per pallet	
	Pallet Product per Layer	16 per layer	
	Total Products per Pallet	(20' ft/40' ft) 96 sets per pallet (40' HQ) 112 sets per pallet	
	Container Load, 20-Foot	1152 sets (slip sheet and pallet)	
	Container Load, 40-Foot	2688 sets (slip sheet and pallet)	
	Container Load, 40-Foot HighQ	3136 sets (slip sheet and pallet)	

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What's in the box?	AC power cord (1.83m) 5.9ft Warranty Product Notice Quick Setup Poster
Compatible Accessories	4A2F9AA – 16t Column Stand 4A2G0AA – 16t VESA Plate V4P97AA – HP 300cm DP Cable V4P96AA – HP 300cm DP+USB B-A CABLES V4P94AA – HP 300cm DP+Y CABLE L701xt

User Guide and Warranty Languages	**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	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

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. • China Energy Conservation Program (CECP) • China State Environmental Protection Administration (SEPA) • Taiwan Green Mark • Korea Eco-label • Japan PC Green label*
Sustainable Impact Specifications	• 85% ITE – derived closed loop plastic • 90% recycled metal • External Power Supply 90% Efficiency • Low halogen • Outside Box and corrugated cushions are 100% sustainably sourced and recyclable
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)	6.26 W	6.47 W	6.28 W
Normal Operation (Long idle)	6.26 W	6.47 W	6.28 W
Sleep	0.39 W	0.44 W	0.39 W
Off	0.29 W	0.29 W	0.29 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)	21.4 BTU/hr	22.1 BTU/hr	21.5 BTU/hr
Normal Operation (Long idle)	21.4 BTU/hr	22.1 BTU/hr	21.5 BTU/hr
Sleep	1.3 BTU/hr	1.5 BTU/hr	1.3 BTU/hr
Off	1.0 BTU/hr	1.0 BTU/hr	1.0 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		

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	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 www.epeat.net - Plastics parts weighing over 25 grams used in the product are marked per ISO11469 and ISO1043. - This product is 98.1% recycle-able when properly disposed of at end of life.		
Packaging Materials	**External:**	PAPER/Corrugated	825 g
		PAPER/Paperboard	236 g
	Internal:	PLASTIC/LDPE(Polyethylene low density)	30 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 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		

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	• 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.

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

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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. - 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.

Summary

Change Log			
September 20, 2022	V1 to V2	Added	Environmental Data
	V2 to V3		