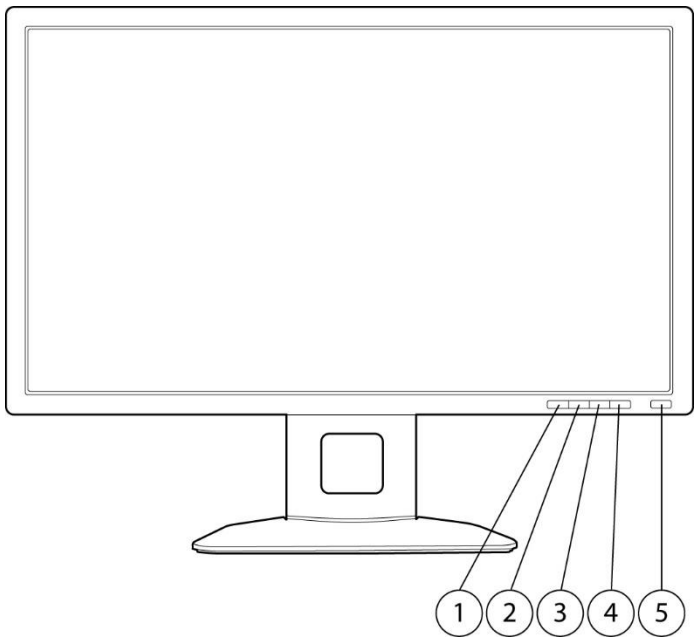
Technical Specifications

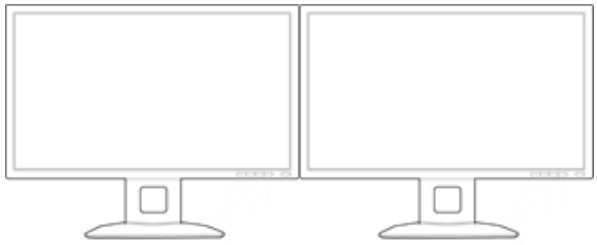
HP Z27i 27-inch IPS Display



1.	**Menu**	Opens, selects or exits the OSD menu.	**4.**	**OK/Auto**	If the OSD menu is on, press to select the highlighted menu item. If the OSD menu is inactive, press to activate the auto adjustment feature to optimize the screen image.

2.	**Minus "-"**	If the OSD menu is on, press to navigate backward through the OSD menu and decrease adjustment levels.	**5.**	**Power/Power LED**	Turns the monitor on or off.
					LED:
					fully powered = white;
					sleep mode = amber;
					sleep timer mode = flashing amber.

3.	**Plus"+"/Input**	If the OSD menu is on, press to navigate forward through the OSD menu and increase adjustment levels. If the OSD menu is inactive, press to activate the source button that chooses the video signal input (DisplayPort, HDMI, DVI or VGA).			



Use two HP Z27i 27-inch IPS Displays for a high productivity work solution.

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(Multi-monitor support depends on your PC capability.)

Models: D7P92A4, D7P92A8, D7P92AS, D7P92AT

Panel	**Type**	27-inch IPS Gen 2, LED Backlit
	Viewable Image Area (diagonal)	**68,58 cm,** (27 in) widescreen; diagonally measured
	Panel Active Area (W x H)	**63 x 36,82 cm** (24.8 x 14.49 in)
	Panel Type	Gen 2 IPS (Gen 2 technology, also called AH-IPS, enables lower power consumption).
	Resolution	2560 x 1440 @ 60 Hz
	Aspect Ratio	16:9
	Viewing Angle (typical)	Up to 178° horizontal/178° vertical (10:1 minimum contrast ratio)
	Brightness (typical)*	350 cd/m^2
	Contrast Ratio (typical)*	1,000:1
	Dynamic Contrast Ratio (typical)*	5,000,000:1
	Response Time (typical)*	8 ms gray to gray
	Pixel Pitch	0.233 mm
	Backlight Lamp Life (to half brightness)	30,000 hours minimum
	Color Support**	16.7 million colors
	Color Gamut	
	Size vs. NTSC (CIE 1931)	82%
	Size vs. NTSC (CIE 1976)	101%
	Coverage of sRGB (CIE 1976)	100%
	*All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.	
	** With the use of FRC technology.	
User Controls	**Buttons or Switches**	Menu, Minus ("-"), Plus ("+") /Input, OK/Auto, Power
	Languages	10 (English, Spanish, German, French, Italian, Netherlands, Portuguese, Japanese, T-Chinese and S-Chinese)
	On Screen Display (OSD) **User Controls**	Brightness, Contrast, Color, Image Control, OSD control, Management, Language, Information, Factory Reset, Input Control
Signal Interface/ Performance	**Horizontal Frequency**	24-94 kHz
	Vertical Frequency	50-76 Hz
	Native Resolution	2560 x 1440 @ 60 Hz
	Preset VESA Graphic Modes (non-interlaced)	640 x 480 @ 60Hz 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 1366 x 768 @ 60 Hz

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		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	
	Maximum Pixel Clock Speed	200 MHz	
	User Programmable Modes	Yes, 10	
	Anti-Glare	Yes	
	Default Color Temperature	6500 K	
Video/ Other Input/Output	**Plug and Play**	Yes	
	Input Connectors	VGA, DisplayPort 1.2 (1.1 compatible), DVI-D; HDMI 1.4; HDCP support on DisplayPort, DVI, and HDMI	
	Sync Input	Separate synch	
	Video Cables Included	(1) DVI-D Dual-Link **1,8 m** (5.9 ft), (1) DisplayPort **1,8 m** (5.9 ft)	
	Self-Powered USB Hub	4-port USB 3.0 hub (cable included)	
	USB Cable Included	(1) USB 3.0 cable **1,8 m** (5.9 ft),	
	Audio	Audio output connector for driving speakers	
Power	**Power Supply**	Internal	
	Input Power	100 – 240 VAC 50/60 Hz	
	ENERGY STAR® Power[1]	38.62W	
	Default Power[2]	60 W	
	Maximum Power[3]	75 W	
	Sleep/Off Mode Power	> 0.5 W	
	Power Cable Length	**1,9 m** (6.2 ft)	
Mechanical	**Dimensions** (W x D x H)	**Unpacked w/stand** (lowest setting)	**64,1 x 24,24 x 42,04 cm** (25.24 x 9.55 x 15.55 in)
		Unpacked w/o stand (head only)	**64,1 x 6,55 x 37,92 cm** (25.24 x 2.58 x 14.93 in)
		Packaged	**75,5 x 31,5 x 47,1 cm** (25,98 x 17.72 x 11.85 in)
	Weight	**Head Only**	**5,3 kg** (11.68 lbs)
		Unpacked	**7,6 kg** (16.74 lbs)
		Packaged	**9,8 kg** (21.6 lbs)
Ergonomic Features	**4-Way Comfort Adjust**	Easily adjust the display in height, tilt, swivel and pivot for maximum comfort.	
	Integrated Quick Release[5]	An easy-to-use, VESA-compliant, LCD monitor mounting solution that allows you to quickly and securely attach the monitor head to a variety of stands, brackets, arms or wall mounts.	
	Cable Management	Enhanced cable management for easy concealment of power, video and USB cables. Effortless routing of cables through the cable management tunnel at the base of the column.	
	Detachable Stand	Yes, ships detached	

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	Tilt Range	-5° to + 20° vertical
	Swivel Range	45°L to 45°R
	Height Adjustable	Yes, 0 to 120 mm
	Pivot Rotation	Yes, 90°
Environmental	**Temperature - Operating**	**5° to 35° C** (41° to 95° F)
	Temperature - Non-operating	**-20° to 60° C** (-4° to 140° F)
	Humidity - Operating	20% to 80% non-condensing
	Humidity - Non-operating	5% to 95%, 38.7° C max wet-bulb
	Altitude - Operating	**0 to 5,000 m** (16,404 ft)
	Altitude – Non-operating	**0 to 12,192 m** (0 to 40,000 ft)
	White LED Backlights	Yes
	CCFL Panel	No
	Arsenic-Free Display Glass	Yes
	Low Halogen[4]	Yes
	Mercury-Free Display Backlighting	Yes

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 6.0
- EPEAT® Gold where HP registers commercial display products. See http://www.epeat.net for registration status in your country US Federal Energy Management Program (FEMP)

Energy Consumption (in accordance with US ENERGY STAR® test method)	**115VAC, 60Hz**	**230VAC, 50Hz**	**100VAC, 60Hz**
Normal Operation	33.1 W	32.5 W	33.3 W
Sleep	0.4 W	0.4 W	0.4 W
Off	0.4 W	0.4 W	0.4 W

Heat Dissipation*	**115VAC, 60Hz**	**230VAC, 50Hz**	**100VAC, 60Hz**
Normal Operation	113 BTU/hr	111 BTU/hr	114 BTU/hr
Sleep	1 BTU/hr	1 BTU/hr	1 BTU/hr
Off	1 BTU/hr	1 BTU/hr	1 BTU/hr

*** Heat dissipation is calculated based on the measured watts, assuming the service level is attained for one hour.**

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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 Gold 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 contains 15.1 % post-consumer recycled plastic (by wt.)
- This product is 97.1 % recycle-able when properly disposed of at end of life.

Packaging Materials

External:	PAPER/Corrugated	1650 g
Internal:	PLASTIC/EPS (Expanded Polystyrene)	550 g
	PLASTIC/Polystyrene High Impact	54.6 g

RoHS Compliance

Hewlett-Packard is committed to compliance with all applicable environmental laws and regulations, including the European Union Restriction of Hazardous Substances (RoHS) Directive. HP's goal is to exceed compliance obligations by meeting the requirements of the RoHS Directive on a worldwide basis. By July 1, 2006, RoHS substances will be virtually eliminated (virtually = to levels below legal limits) for all HP electronic products subject to the RoHS Directive, except where it is widely recognized that there is no technically feasible alternative (as indicated by an exemption under the EU RoHS Directive).

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/pdf/gse.pdf):

- Asbestos
- Certain Azo Colorants
- Certain Brominated Flame Retardants - may not be used as flame retardants in plastics
- Cadmium
- Chlorinated Hydrocarbons
- Chlorinated Paraffins
- 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

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.

Hewlett-Packard 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

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		ISO 14001 certificates: http://www.hp.com/hpinfo/globalcitizenship/environment/operations/envmanagement.html
Options For more information refer to the product's QuickSpecs.	**HP Thin Client Mount Kit—Part number E5J35AA**	Attach your HP Thin Client or USDT PC to the back of select HP Z Displays and maintain optimal ergonomic adjustability with the HP Thin Client Mount Kit. Simply mount an HP Thin Client to the Kit's VESA plate, slide it into place on the back of an HP Z24i, Z27i or Z30i IPS Display stand, and you're ready to go.
	HP Dual Output USB Graphics Adapter—Part number C5U89AA	Create a dual-monitor setup with the HP Dual Output USB Graphics Adapter – featuring both DVI-I and DisplayPort inputs to drive displays at high resolutions through a single USB 3.0 connection to your PC.
	HP LCD Speaker Bar—Part number NQ576AA	Powered directly by the monitor or the PC, the Speaker Bar seamlessly attaches to the monitor's lower bezel to bring full audio support to select HP LCD monitors. Features include dual speakers with full sound range and external jack for headphones. Sold separately.
	HP Business PC Security Lock Kit—Part number PV606AA	Attaches to the rear of the PC with a six-foot steel cable that can be used to secure a PC or peripherals such as mice, keyboards, monitors or USB security devices to protect them against unauthorized removal by physically connecting the system to an anchor point.
What's in the box?	**Monitor and Accessories**	HP Z27i 27-inch IPS Display, AC power cord, USB cable, DVI-D cable, DisplayPort cable
	Documentation	CD (includes user guide, warranty, drivers)
	Featured Software	HP Display Assistant is a software utility that enables theft deterrence and allows monitor adjustment, color calibration, and security/asset management using the Display Data Channel Command Interface (DDC/CI) protocol of the connected PC or workstation.
Other	**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.
	Color	Black
	VESA External Mounting	Yes (one set of standard 4-hole pattern, 100 mm).
	Security Lock-Ready	Yes
	Country of Origin	China
Certification and Compliance	CE, CB, KC, KCC, NOM, PSB, ICE, TUV-S, CCC, TCO Certified, CEL Grade 1, CECP, SEPA, EPA, ISC, VCCI, FCC, HSMI, Microsoft WHQL Certification (Windows 8 and Windows 7), ENERGY STAR® Qualified, EPEAT® Gold[6].	

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Compatibility	Compatible with platforms using the VESA standard video modes. Recommended for use with HP products.
Service and Warranty	Protected by HP, including a 3 year standard limited warranty. Optional HP Care Pack Services are extended service contracts that extend your protection beyond the standard warranties.[7]

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ENERGY STAR is a registered mark owned by the U.S. government. All specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

1. ENERGY STAR® power is measured with factory defaults, brightness at ENERGY STAR® level of 200 cd/m^2 and with no USB loads.
2. Default Power is measured with factory defaults, including factory default brightness and USB ports loaded at 25% of maximum.
3. Maximum Power is measured with monitor at maximum brightness and with USB ports loaded at 100% of maximum.
4. External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.
5. The HP Quick Release has been designed to support a maximum of up to 24 lbs (10.9 kg) for all devices mounted. Because mounting surfaces vary widely and the final mounting method and configuration may vary, mounting fasteners are not supplied (other than the VESA-compliant screws). HP recommends that you consult with a qualified engineering, architectural or construction professional to determine the appropriate type and quantity of mounting fasteners required for your application and to ensure that your mounting solution is properly installed to support applied loads.
6. EPEAT® Gold where HP registers commercial display products. See www.epeat.net for registration status in your country.
7. Service levels and response times for HP Care Pack Services may vary depending on your geographic location. Service starts from date of hardware purchase. Restrictions and limitations apply. See http://www.hp.com/go/cpc for details.

Summary of Changes

Date of change:	**Version History:**		**Description of change:**
04/11/2016	From v1 to v2	New	Uploaded