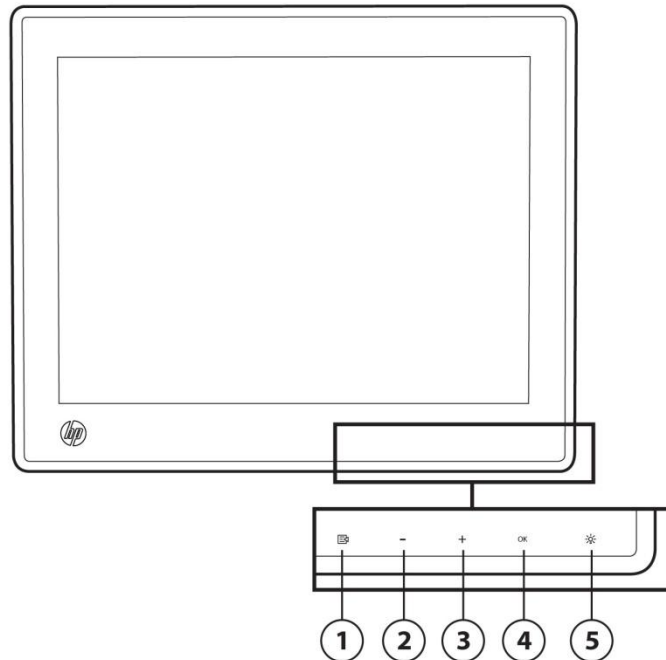


Overview

HP L6015tm 15-inch Retail Touch Monitor (head only)



NOTE: To activate the OSD menu, touch the lower front bezel to the left of the power icon. The OSD icons will become illuminated and the OSD functions become active. The OSD icons will extinguish upon exit from the OSD or OSD timeout.

- | | |
|--|---|
| 1. Menu Opens the On-Screen Display (OSD) main menu. | 4. OK If the OSD menu is on, tap to select a menu item. If the OSD menu is inactive and the icons are illuminated, tap to activate the auto adjustment feature to optimize the screen image. |
| 2. - (Minus) If the OSD menu is on, tap to navigate backward through the OSD menu and decrease adjustment levels. If the OSD menu is inactive and the icons are illuminated, tap to open the OSD volume control menu and adjust the volume level. | 5. Power LED Green = Fully powered.
Amber = Sleep mode.
Flashing Amber = Sleep Timer mode.
Off = Power is off or the LED has been suppressed in the OSD |
| 3. + (Plus) If the OSD menu is on, tap to navigate forward through the OSD menu and increase adjustment levels. If the OSD menu is inactive and the icons are illuminated, tap to activate the Source button that chooses the video signal input. | <i>Stand is not included and is sold separately.</i> |

Model

HP L6015tm 15-inch Retail Touch Monitor

A1X78AA

Introduction

The HP L6015tm 15-inch Retail Touch Monitor employs projective capacitive touch technology and is specifically designed to be used with the HP Retail Point of Sale systems. The modernized appearance and sleek design add a wow factor to your retail environment. The chemically strengthened, flush-glass design is both stylish and easy to clean.

DisplayPort, DVI-D, and VGA video inputs provide the highest degree of connection flexibility.

Key Benefits

- Projective capacitive technology delivers an intuitive, familiar multi-touch experience that's similar to that of smartphone and tablet devices
- Industrial design to help protect the monitor in the most demanding retail and hospitality environments
- Flush-glass design provides an easy-to-clean surface
- Four mounting ports on each side of the bezel accept integration of optional peripherals (all sold separately) such as a Magnetic Stripe Reader (MSR), Biometric Fingerprint Reader, or Webcam to enhance functionality and maximize counter space*
- Industry-standard, 100-mm VESA patterns enable flexible mounting in a variety of retail settings
- Designed to work with HP Retail Point of Sale systems to deliver a complete retail solution
- Optional height-adjustable stand (sold separately) provides vertical adjustment and viewing angle flexibility that allows the display to be customized for your exact countertop work space

*HP does not support the use of any other standard USB device beyond the HP Retail Integrated Fingerprint Reader (QZ672AA), HP Retail Integrated Dual-Head MSR (QZ673AA), and HP Retail Integrated Webcam (QZ700AA). Internet access required for webcam functionality.

Technical Specifications

Panel	Type	15-inch TN (Twisted Nematic) LED Backlit LCD
	Viewable Image Area (diagonal)	38 cm (15 in)
	Aspect Ratio	4:3
	Screen Opening (W x H)	30,4 x 22,8 cm (12 x 9 in)
	Viewing Angle (typ)*	160 degrees horizontal/140 degrees vertical (10:1 minimum contrast ratio)
	Response Rate	25 ms



	Brightness (typ)*	350 nits (cd/m ²)	
	Contrast Ratio (typ)*	700:1	
	Pixel Pitch	0.297 mm	
	Color Gamut	68%	
	*All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.		
On Screen Display (OSD) Controls	Buttons or Switches	Menu, Minus, Plus, OK, Power	
	Languages	English, French, German, Italian, Dutch, Spanish, Japanese, Portuguese, Traditional Chinese, and Simplified Chinese.	
	User Controls	Brightness Contrast Color Temperature Image Control OSD Control Management Language Information Factory Reset Source Control Exit	
Signal Interface/ Performance	Horizontal Frequency	24 to 83 kHz	
	Vertical Frequency	50 to 76 Hz	
	Graphics Controller	VESA standard timings/formats supported	
	Native Resolution	1024 x 768 @ 60 Hz (recommended)	
	Preset VESA Graphic Modes (non-interlaced)		1024 x 768 @ 60 Hz
			800 x 600 @ 60 Hz
			720 x 400 @ 70 Hz
			640 x 480 @ 60 Hz
		Maximum Pixel Clock Speed	140 MHz
		User Programmable Modes	Yes, 10
	Anti-Glare	Yes	
	Anti-Static	Yes	
	Default Color Temperature	Standard (6500K)	
Touch specifications	Touch Panel	Projected Capacitive	
	Positional Accuracy	Standard deviation of error is less than 0.080 in (2.03 mm). Equates to less than ±1% error on most displays.	



Resolution Accuracy	More than 100,000 touchpoints/in ² (15,500 touchpoints/cm ²) for a 15-inch touchscreen. The controller firmware program may reduce resolution to accommodate axis length greater than 465 mm.	
Touch Activation Force	Typically less than 3 ounces (85 grams).	
Expected Life Performance	No known wear-out mechanism, as there are no layers, coatings, or moving parts. Technology has been operationally tested to more than 50 million touches in one location without failure, using a stylus similar to a finger.	
Surface Durability	Surface scratches will not cause functional failures regardless of the length or depth of the scratch. A Mohs' pick with a hardness rating of 6 or higher is required to induce a cosmetic scratch.	
Optical Light Transmission (per ASTM D1003)	>87%	
Chemical Resistance	<u>Agency test standard</u> ATSM D 1308-02 ^{E1} – Standard Test Method for Effect of Household Chemicals on Clear and Pigmented Organic Finishes (24 hour duration spot test); and ASTM F 1598-95 (re-approved 2002) – Standard Test Method of Determining the Effects of Chemical/Solvent Exposure to a Membrane Switch/Graphic Overlay (Spot Test Method) – (24 hour duration)	<u>Test passed</u> 5% ammonia. 6% hydrochloric acid, 70% nitric acid, 40% sulfuric acid, acetone, ball point pen, beer, brake fluid, coffee, Coca-Cola®, ethanol, gasoline, grease pencil, lipstick, Lysol®, methyl ethyl, ketone, naphtha, rubber cement, stamping ink, tea, toluene, trichloroethylene, white vinegar, Windex® Original, xylene, isopropyl alcohol and water. Chlorine bleach may be used as a sanitizer, if diluted to ensure free chlorine concentrations do not exceed 1600 PPM (4 oz. per gallon of water) (118ml per 3.78 liters of water).
Electrostatic Protection (per EN 61 000-4-2, 1955)	Meet Level 4 (15kV air/8j V contact discharges)	
Video / Other Inputs Plug and Play	Yes	



QuickSpecs

HP L6015tm 15-inch Retail Touch Monitor

	Input Signal	(1) VGA; (1) DisplayPort and (1) DVI-D Note: HDCP supported on digital inputs.
	Input Impedance	75 ohms (2 % value change allowed)
	Sync Input	TTL separate synch
	Video Cables	(1) VGA; (1) DisplayPort and (1) DVI-D included
	Video Cable Length	1,8 m (5.9 ft.)
	USB 2.0	(4) USB 2.0; (1) USB upstream; (1) USB cable included
	USB Cable Length	1,8 m (5.9 ft.)
Audio	Speakers and I/O	(2) 1W/channel built-in speakers (rear firing); Audio jacks: (1) Audio-in; (1) audio cable included
	Audio Cable Length	1,8 m (5.9 ft.)
Power	Input Voltage	90 to 265 VAC
	Frequency	50/60 Hz
	Typical Power Consumption	20 W
	Maximum	35 W
	Sleep	1 W
	Off	0.5 W
	Power Cable Length	1,9 m (6.2 ft.); detachable
Mechanical	Dimensions (W x D x H)	Unpacked w/ stand (stand is sold separately and is not included) 36,6 x 28,3 x 41,4 cm (14.4 x 11.2 x 16.3 in) Display Head only 36,6 x 5,8 x 31,3 cm (14.4 x 2.3 x 12.3 in) Packaged 42,8 x 15,6 x 39,2 cm (16.9 x 6.14 x 15.4 in)
	Weight	Unpacked (no stand) 4 kg (8.82 lb) Unpacked w/ stand (stand is sold separately and is not included) 6,8 kg (14.99 lb) Packaged (no stand) 5,9 kg (12.76 lb)
Environmental	Temperature – Operating	5° to 40° C (41° to 104° F) non-condensing
	Temperature – Non-operating	-20° to 60° C (-4° to 140° F) non-condensing
	Humidity – Operating	20% to 80% non-condensing



	Humidity – Non-operating	5 % to 95 % non-condensing
	Altitude – Operating	0 to 5000 m (0 to 16400 ft)
	Altitude – Non-operating	0 to 12192 m (0 to 40000 ft)
	White LED Backlights	Yes
	CCFL Panel	No
	Arsenic-Free Glass¹	Yes
	BFR/PVC Free²	Yes (everything except external cables)
	Mercury Free	Yes
What's in the box?	Monitor and accessories	HP L6015tm 15-inch Retail Touch Monitor; VGA cable; DisplayPort cable; DVI-D cable; USB cable; Power cord
	Documentation	Printed documentation and CD
	Software	None
Other	User Guide Languages	English, French, German, Italian, Dutch, Spanish, Japanese, Portuguese, T. Chinese,, S. Chinese.
	Warranty Languages	English, French, German, Italian, Dutch, Spanish, Japanese, Portuguese, T. Chinese,, S. Chinese.
	Color	Jack Black
	VESA External Mounting	Yes (Standard 4 hole pattern, 100 mm)
	Kensington Lock-ready	Yes
Certification and Compliance		UL Listed, CSA for Canada and US, FCC approval, ICES, BSMI for Taiwan, CCC/CECP/SEPA/CEL for China, C-Tick for Australia, S-Mark for Argentina, CB, CE approval, VCCI, ENERGY STAR®, EPEAT® Gold ⁴ .
Operating System Support		Microsoft Windows 7 32-bit Professional Microsoft Windows 7 64-bit Professional Microsoft Windows Embedded for Point of Service Microsoft Windows Embedded POSReady Microsoft Windows Vista Business 32 Edition Microsoft Windows XP Professional
Compatibility		Compatible with platforms using the VESA standard video modes.
Service and Limited Warranty		Protected by HP, including a 3 years parts, 3 years labor (3/3/0) standard limited warranty. Certain restrictions and exclusions apply. ³
Additional Options (All sold separately)	HP Height-Adjustable Stand for Touch Monitors (A1X81AA)	A height adjustable stand supporting both the 15" (L6105tm) and 17" (L6017tm) monitors. <ul style="list-style-type: none"> • Allows the monitor to be set on a counter or cash drawer • Ruggedized, small footprint maximizes counter space for employees and customers



		<ul style="list-style-type: none"> Height and tilt adjustments help you customize positioning to best meet your environment's needs 	
Stand Specifications	Tilt Range	-5 to +60 degrees	
	Swivel Range	No	
	Height Adjustable	Yes, range 177.5 mm	
	Pivot Rotation	No	
	Base and Stand	Detachable	
	Dimensions (W x D x H)	37,5 x 33,5 x 32 cm (14.8 x 13.2 x 12.6 in)	
	Weight	Unpacked 3,25 kg (7.17 lb) Packaged 4,63 kg (10.21 lb)	
	Color	Jack Black	
	HP Business PC Security Lock Kit (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.	
	<p>Note: The following USB modules (sold separately) can be installed on the top of the monitor, the bottom of the monitor, or on either side of the monitor. HP does not support the use of any other standard USB device beyond the HP Retail Integrated Fingerprint Reader (QZ672AA), HP Retail Integrated Dual-Head MSR (QZ673AA), and HP Retail Integrated Webcam (QZ700AA).</p>		
HP Retail Integrated Dual-Head MSR (QZ673AA)	<ul style="list-style-type: none"> Enables credit card transactions without adding clutter to the POS work space Bi-directional swipe for ease of use Audio and visual good read indicators allow employees to swipe with confidence of a successful read 		
HP Retail Integrated Fingerprint Reader (QZ672AA)	<ul style="list-style-type: none"> Additional biometric security for customer transaction Additional security with employee identification procedure for opening the cash drawer to dispense cash, logging on to the terminal or accessing applications Works well with dry, moist or rough fingerprints Audio and visual good read indicators confirm a successful fingerprint read 		
HP Retail Integrated Webcam (QZ700AA)	<ul style="list-style-type: none"> Enables interactive technical support for POS serviceability Supports personalized customer interface with online/remote Customer Service Representatives in a kiosk setup 		



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¹ Arsenic and its compounds were not detected using US EPA Test Methods 3052 & 3052/6010b by ICP or ICP-AES.

² Meets the evolving definition of 'BFR/PVC-free' as set forth in the "iNEMI Position Statement on the 'Definition of Low-Halogen' Electronics (BFR/CFR/PVC-Free)". Plastic parts contain < 1000 ppm (0.1%) of bromine [if the Br source is from BFRs] and < 1000 ppm (0.1%) of chlorine [if the Cl source is from CFRs or PVC or PVC copolymers]. All printed circuit board (PCB) and substrate laminates contain bromine/chlorine total < 1500 ppm (.15%) with a maximum chlorine of 900 ppm (.09%) and maximum bromine being 900 ppm (.09%). External cables (power, video and USB) are not BFR/PVC-free. Service parts after purchase may not be BFR/PVC-free.

³ HP Care Pack Services extend service contracts beyond the standard warranties. Service levels and response times for HP Care Packs may vary depending on your geographic location. Service starts from date of hardware purchase. To choose the right level of service for your HP product, use the HP Care Pack Services Lookup Tool at <http://www.hp.com/go/lookuptool>. Additional HP Care Pack Services information by product is available at <http://www.hp.com/hps/carepack>.

⁴ EPEAT® Gold where HP registers commercial display products. See www.epeat.net for registration status in your country.

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