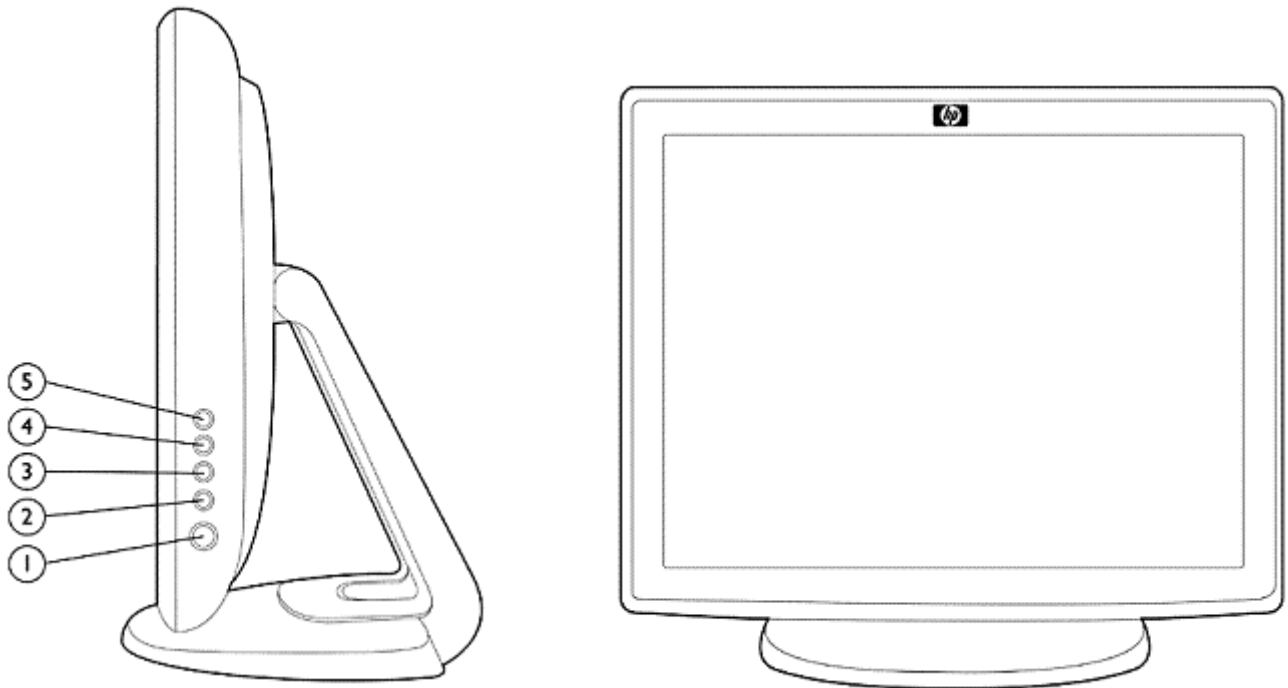


Overview



1. **Power:** Turns the unit on and off.
2. **Select:** Selects the adjustment items from the on-screen display (OSD) menus.
3. **Arrow down:** Enter brightness adjustment, decrease value of the adjustment item, select item counter-clockwise.
4. **Arrow up:** Enter contrast of the OSD, increase value of the adjustment item, select item.
5. **Menu/Exit:** Display/Exits the OSD menus.

Models

RB146AA#ABA – Standard Configuration

RB146AT#ABA – Promotional Part Number (SmartBuy)

Technical Specifications

Panel	Type	15-inch Active Matrix TFT (thin film transistor)
	Viewable Image Area (diagonal)	15 in (38.1 cm)
	Screen Opening (W x H)	12.0 x 9.0 in (30.4 x 22.8 cm)
	Viewing Angle (typical)*	120 degrees horizontal/100 degrees vertical (10:1 minimum contrast ratio)
	Response Rate	17 ms
	Brightness (typical)*	230 nits (cd/m ²)
	Contrast Ratio (typical)*	400:1
	Pixel Pitch	0.297 mm
*NOTE: 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, up, down, select, power
	Languages	English, German, Spanish, Japanese, French
	User Controls	Positioning (vertical and horizontal)
		Color Temperature
		Brightness
		Contrast
		Clock, Clock Phase
		OSD Time-out duration
Signal Interface/Performance		Recall
	Horizontal Frequency	31.5 to 60.2 kHz
	Vertical Frequency	56.3 to 75 Hz
	Graphics Controller	VESA standard timings/formats supported
	Native Resolution	1024 x 768 @ 60 Hz (recommended)
	Maximum Resolution (Digital)	N/A
	Preset VESA Graphic Modes (non-interlaced)	1024 x 768 @ 60 Hz, 65 Hz (Sun), 70 Hz, and 75 Hz
		832 x 624 @ 75 Hz (Mac)
		800 x 600 @ 56 Hz, 60 Hz, 72 Hz, and 75 Hz
		720 x 400 @ 70 Hz
		640 x 480 @ 60 Hz, 66 Hz (Mac) 72 Hz, and 75 Hz
	Maximum Pixel Clock Speed	80 MHz
	User Programmable Modes	Yes, 10
	Anti-Glare	Yes
	Anti-Static	Yes
	Default Color Temperature	Custom color (R=G=B=100%)

Technical Specifications

Touchscreen Specifications	Positional Accuracy	Standard deviation of error is less than 0.080 in (2.03 mm). Equates to less than $\pm 1\%$ error on most displays.
	Touchpoint Density	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 durability is that of glass, Mohs' hardness rating of 7
	Optical Light Transmission (per ASTM D1003)	Up to 92%
	Chemical Resistance	The active area of the touchscreen is resistant to all chemicals that do not affect glass, such as: <ul style="list-style-type: none"> • Acetone • Toluene • Methyl ethyl ketone • Isopropyl alcohol • Methyl alcohol • Ethyl acetate • Ammonia-based glass cleaners • Gasoline • Kerosene • Vinegar
	Touch Controller	Dual serial USB controller
	Touch Interface	USB or serial interface (cables included); Cable length: 6 ft (1.8 m)
	Plug and Play	Yes
Video Input	Input Signal	Mini D-Sub 15-Pin VGA type
	Input Impedance	75 ohms (2 % value change allowed)
	Sync Input	TTL separate synch
	Video Cable	Detachable 15-pin D-sub mini connector
	Video Cable Length	72 in (1.8 m)
	Power	
Power	Input Power	100 to 240 VAC
	Nominal Current	0.6 Amperes
	Frequency	50/60 Hz
	Typical Power Consumption	22 watts
	Maximum	30 watts
	Sleep	<4 watts
	Off	< 2 watts (This monitor does not have an internal sleep function. It needs the video source in order to go into sleep mode.)
	Power Cable Length	72 in (1.8 m); detachable

Technical Specifications

Mechanical	Dimensions (H x W x D)	Unpacked with stand	12.2 x 13.8 x 6.9 in (31.0 x 35.0 x 17.5 cm)
		Display Head only	11.0 x 13.8 x 2.2 in (28.0 x 35.0 x 5.5 cm)
		Packaged	10.2 x 16.5 x 15.0 in (26.0 x 42.0 x 38.0 cm)
	Weight	Unpacked	10.6 lb (4.8 kg)
		Packaged	15.4 lb (7.0 kg)
	Tilt Range	-5 to +90 degrees	
	Swivel Range	N/A	
	Height Adjustable	No	
	Pivot Rotation	No	
	Base and Stand	Detachable	
Environmental	Temperature – Operating	32° to 104° F (0° to 40° C) non-condensing	
	Temperature – Non-operating	4° to 140° F (-20° to 60° C) non-condensing	
	Humidity – Operating	20% to 80% non-condensing	
	Humidity – Non-operating	10 % to 90 % non-condensing	
	Altitude – Operating	0 to 12,000 ft (0 to 3,658 m)	
	Altitude – Non-operating	0 to 40,000 ft (0 to 12,192 m)	
	Eco-Label Certifications and Declarations	This product is in compliance with the Restrictions of Hazardous Substances (RoHS) Directive, 2002/95/EC.	
Other	Accessories Included	This product is designed to comply with the Waste Electrical and Electronic Equipment (WEEE) Directive, 2002/96/EC.	
		Detachable VGA cable, detachable AC power cord, documentation kit, and user CD	
	User Guide Languages	English	
	Warranty Languages	Americas	English, French, LA Spanish
	Color	Carbonite only	
	VESA External Mounting	Yes (Standard 4 hole pattern, 75 mm)	
	Kensington Lock-ready	Yes	
Certification and Compliance	UL listed, CSA, FCC approval, MPR-II, and NOM		
Compatibility	Compatible with platforms using the VESA standard video modes.		
Service and Warranty	Three years parts, labor, and on-site service. 24-hour, 90-day, toll-free technical support. Replacement options may include second business day on-site service, or next business day direct replacement, at HP's sole discretion. With direct replacement, HP will ship a replacement display product directly to you. Using the prepaid shipping labels provided, return your failed display to HP in the same packaging as the replacement. Certain restrictions and exclusions apply. For details see your product warranty or contact HP Customer Support.		

Technical Specifications

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