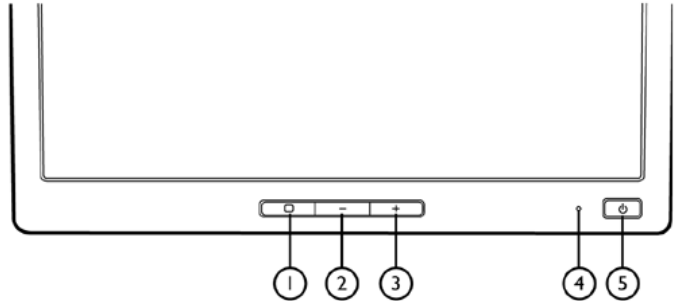
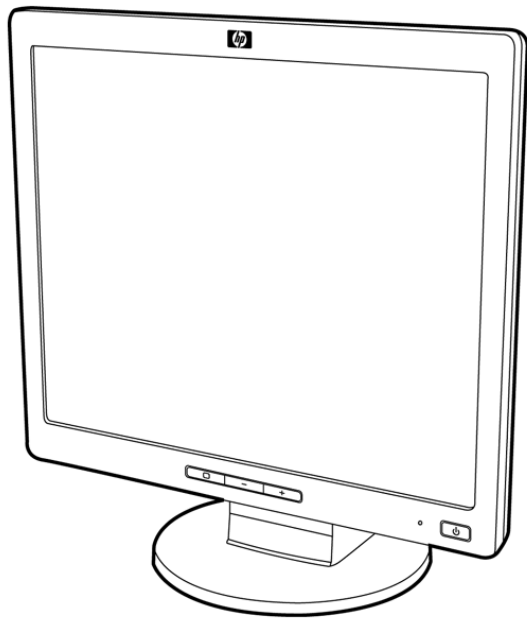


## Overview



1. Button 1: Menu selection
2. Button 2: Menu "-" selector button
3. Button 3: Menu "+" selector button
4. Button 4: Power LED
5. Button 5: Power button

## Models

PX850AA

## Technical Specifications

|  |  |   |
|--|--|---|
| Panel  | Type                                       | 19-inch Active Matrix TFT (thin film transistor)                          |
|  | Viewable Image Area (diagonal)             | 19 in (48.26 cm)  |
|  | Screen Opening (W x H)                     | 14.8 x 11.9 in (37.6 x 30.1 cm)   |
|  | Viewing Angle (typical)*                   | 140 degrees horizontal/130 degrees vertical (10:1 minimum contrast ratio) |
|  | Brightness (typical)*                      | 270 nits (cd/m <sup>2</sup> )   |
|  | Contrast Ratio (typical)*                  | 500:1   |
|  | Response Rate                              | 5 ms (rise and fall)  |
|  | Pixel Pitch                                | 0.294 mm  |
|  | Backlight Lamp Life (to half brightness)   | 40K hours   |
| <i>* All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.</i> |  |   |
| On Screen Display (OSD) Controls   | Buttons or Switches                        | 3-button OSD (menu, minus, plus); power on/off                            |
|  | Languages                                  | English, French, German, Spanish, Italian, Dutch, Simplified Chinese      |
|  | User Controls                              | Image Control (auto, horizontal, vertical)                                |
|  |  | Positioning (vertical and horizontal)                                     |
|  |  | Color Temperature (6500k, 9300k, Custom)                                  |
|  |  | Brightness  |
|  |  | Contrast  |
|  |  | Clock, Clock Phase  |
|  |  | Monitor Management (power saver, sleep)                                   |
| Factory Reset  |  |   |
| Signal Interface/Performance   | Horizontal Frequency                       | 30 to 83 kHz  |
|  | Vertical Frequency                         | 50 to 76 Hz   |
|  | Graphics Controller                        | Genesis, MStar  |
|  | Native Resolution                          | 1280 x 1024 @ 60 Hz (recommended)   |
|  | Maximum Resolution (Digital)               | N/A   |
|  | Preset VESA Graphic Modes (non-interlaced) | 1280 x 1024 @ 60 Hz and 75 Hz   |
|  |  | 1024 x 768 @ 60 Hz, 70 Hz, and 75 Hz                                      |
|  |  | 1152 x 870 @ 75 Hz (Mac)  |
|  |  | 1152 x 900 @ 76 Hz (Sun)  |
|  |  | 832 x 624 @ 75 Hz (Mac)   |
|  |  | 800 x 600 @ 60 Hz, 72 Hz, and 75 Hz                                       |
|  |  | 720 x 400 @ 70 Hz   |
|  |  | 640 x 480 @ 60 Hz, 72 Hz, and 75 Hz                                       |
|  | Maximum Pixel Clock Speed                  | 140 MHz   |
|  | User Programmable Modes                    | Yes, 10   |
| Anti-Glare   | Yes  |   |
| Anti-Static  | Yes  |   |

### Technical Specifications

|                    |  |   |   |   |
|--------------------|--|---|---|---|
|                    | Default Color Temperature  | 6500 degrees Kelvin   |   |   |
| Video Input        | Plug and Play  | Yes   |   |   |
|                    | Input Signal   | 15 pin D-sub (Analog VGA)   |   |   |
|                    | 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   | 70.8 in (1.8 m)   |   |   |
| Power              | Input Power  | 100 ~ 240 VAC   |   |   |
|                    | Nominal Current  | < 0.50 Ampere   |   |   |
|                    | Frequency  | 50 ~ 60 Hz  |   |   |
|                    | Typical Power Consumption  | 33 watts  |   |   |
|                    | Maximum  | < 37 watts  |   |   |
|                    | Power Saving   | < 2 watts   |   |   |
|                    | Power Cable Length   | 74.8 in (1.9 m); detachable   |   |   |
| Mechanical         | Dimensions (H x W x D)   | Unpacked with stand   | 16.8 x 16.6 x 8.0 in (42.7 x 42.2 x 20.3 cm)          |   |
|                    |  | Display Head only   | 14.3 x 16.6 x 2.3 in (36.2 x 42.2 x 5.9 cm)           |   |
|                    |  | Packaged  | 19.1 x 19.4 x 6.9 in (48.4 x 49.2 x 17.6 cm)          |   |
|                    | Weight   | Unpacked  | 11.7 lb (5.3 kg)                                      |   |
|                    |  | Packaged  | 15.4 lb (7.0 kg)                                      |   |
|                    | Tilt Range   | -5 to +30 degrees vertical tilt   |   |   |
|                    | Swivel Range   | None  |   |   |
|                    | Height Adjustable  | No  |   |   |
|                    | Pivot Rotation   | No  |   |   |
|                    | Base and Stand   | Detachable  |   |   |
| Environmental      | Temperature – Operating  | 50° to 95° F (10° to 35° C) non-condensing  |   |   |
|                    | Temperature – Non-operating  | -4° to 140° F (-20° to 60° C)   |   |   |
|                    | Humidity – Operating   | 20% to 80% non-condensing   |   |   |
|                    | Humidity – Non-operating   | 5% to 90%   |   |   |
|                    | Altitude – Operating   | 0 to 12,000 ft (0 to 3,658 m)   |   |   |
|                    | Altitude – Non-operating   | 0 to 40,000 ft (0 to 12,100 m)  |   |   |
| Environmental Data | Eco-Label Certifications and 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: <ul style="list-style-type: none"><li>• US Energy Star</li><li>• IT ECO declaration</li><li>• TCO 03</li></ul> |   |   |
|                    | Energy Consumption (in accordance with US Energy Star test method) | AC Input Voltage at 100 VAC +/- 5 VAC, 50 Hz +/- 3 Hz   | AC Input Voltage at 115 VAC +/- 5 VAC, 60 Hz +/- 3 Hz | AC Input Voltage at 230 VAC +/- 5 VAC, 50 Hz +/- 3 Hz |
|                    | Normal Operation   | 31.2 watts  | 31 watts  | 30.7 watts  |

### Technical Specifications

|                   |                |                |                |
|-------------------|----------------|----------------|----------------|
| Sleep             | 2.65 watts     | 2.32 watts     | 2.45 watts     |
| Off               | 0.58 watts     | 0.37 watts     | 0.40 watts     |
| Heat Dissipation* | 100 VAC, 50 Hz | 115 VAC, 60 Hz | 230 VAC, 50 Hz |
| Normal Operation  | 106.70 BTU/hr  | 106.02 BTU/hr  | 104.99 BTU/hr  |
| Sleep             | 9.06 BTU/hr    | 7.93 BTU/hr    | 8.38 BTU/hr    |
| Off               | 1.98 BTU/hr    | 1.27 BTU/hr    | 1.37 BTU/hr    |

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

**Ergonomics** The monitor meets the ergonomic requirement of EN-ISO 13406-2 for flat panel displays.

**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.

Plastics parts weighing over 25 grams used in the product are marked per ISO 11469 and ISO1043.

Display meets the requirement for low frequency electromagnetic fields per MPR-II, TCO, and prEN50279 A/B/C.

#### Packaging Materials

- Corrugated Carton – 0.800 kg
- Bag LDPE – 0.037 kg
- Film PP – 0.190 kg

#### 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](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
- 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 (PBOs)
- Polychlorinated Biphenyl (PCB)

### Technical Specifications

|                |  |  |
|----------------|--|--|
|                |  | <ul style="list-style-type: none"><li>• Polychlorinated Terphenyls (PCT)</li><li>• Polyvinyl Chloride (PVC) – except for wires and cables, and certain retail packaging has been voluntarily removed from most applications.</li><li>• Radioactive Substances</li><li>• Tributyl Tin (TBT), Triphenyl Tin (TPT), Tributyl Tin Oxide (TBTO)</li></ul>   |
|                | <b>Packaging</b>   | HP follows these guidelines to decrease the environmental impact of product packaging: <ul style="list-style-type: none"><li>• Eliminate the use of heavy metals such as lead, chromium, mercury and cadmium in packaging materials.</li><li>• Eliminate the use of ozone-depleting substances (ODS) in packaging materials.</li><li>• Design packaging materials for ease of disassembly.</li><li>• Maximize the use of post-consumer recycled content materials in packaging materials.</li><li>• Use readily recyclable packaging materials such as paper and corrugated materials.</li><li>• Reduce size and weight of packages to improve transportation fuel efficiency.</li><li>• Plastic packaging materials are marked according to ISO 11469 and DIN 6120 standards.</li></ul> |
|                | <b>End-of-life Management and Recycling</b>  | Hewlett-Packard offers end-of-life HP product return and recycling programs in many geographic areas. To recycle your product, please go to: <a href="http://www.hp.com/recycle">http://www.hp.com/recycle</a> or contact your nearest HP sales office. Products returned to HP will be recycled, recovered or disposed of in a responsible manner.  |
|                | <b>Hewlett-Packard Corporate Environmental Information</b>   | For more information about HP's commitment to the environment: Global Citizenship Report<br><a href="http://www.hp.com/hpinfo/globalcitizenship/gcreport/index.html">http://www.hp.com/hpinfo/globalcitizenship/gcreport/index.html</a><br>Eco-label certifications<br><a href="http://www.hp.com/hpinfo/globalcitizenship/environment/productdesign/ecolabels.html">http://www.hp.com/hpinfo/globalcitizenship/environment/productdesign/ecolabels.html</a><br>ISO 14001 certificates:<br><a href="http://www.hp.com/hpinfo/globalcitizenship/environment/operations/envmanagement.html">http://www.hp.com/hpinfo/globalcitizenship/environment/operations/envmanagement.html</a>   |
| <b>Options</b> | <b>HP Flat Panel Speaker Bar – Part number: EE418AA</b>  | Powered directly by the monitor or PC, the Speaker Bar seamlessly attaches to the monitor's lower bezel to bring full audio support to select HP flat panel monitors. Features include dual speakers with full sound range and an external jack for headphones. Sold separately. For more information, refer to the HP Flat Panel Speaker Bar QuickSpec.   |
|                | <b>HP Compaq 7000 Series Ultra-slim Desktop Integrated Work Center Stand – Part number: DL641B</b> | Allows mounting of a 15-, 17- or 19-inch HP flat panel monitor and an HP Compaq dc7600 or dc7700 Ultra-slim Desktop PC on a single stand for the convenience of an "all-in-one" form factor. Sold separately. For more information, refer to this product's QuickSpec document.  |
|                | <b>HP Flat Panel Monitor Quick Release – Part number EM870AA</b>                                   | An easy-to-use, VESA-compliant, flat panel monitor mounting solution that allows you to quickly and securely attach a flat panel monitor to a variety of stands, brackets, arms or wall mounts. See product QuickSpecs for available mounting configurations.  |

Technical Specifications

|                              |  |  |  |
|------------------------------|--|--|--|
| Other                        | Accessories Included   | Detachable VGA cable, detachable AC power cord, documentation kit, and user CD.  |  |
|                              | Software   | HP Display LiteSaver feature allows you to schedule Sleep mode at preset times to help protect the monitor against image retention, drastically lower power consumption and energy costs, and extend the lifespan of the monitor.<br><br>HP Display Assistant is a software utility that allows monitor adjustment and color calibration using the Display Data Channel Command Interface (DDC/CI) protocol of the connected PC. |  |
|                              | User Guide Languages   | English, Brazilian Portuguese, French, LA Spanish, Korean, Simplified Chinese, Traditional Chinese, Japanese, Danish, Dutch, Finnish, German, Italian, Norwegian, Swedish, Greek, Polish, Russian, Slovenian, Turkish  |  |
|                              | Warranty Languages   | Americas   | English, Canadian French   |
|                              |  | LA   | Spanish, Brazilian Portuguese  |
|                              |  | EMEA   | English, Danish, Dutch, Finnish, European French, German, Italian, Norwegian, Castilian Spanish, Swedish |
|                              |  |  | Asia/Pacific   |
|                              | Color  | Carbonite/Silver   |  |
|                              | VESA External Mounting   | Yes (Standard 4 hole pattern, 100 mm)  |  |
|                              | Kensington Lock-ready  | Yes  |  |
| Certification and Compliance | ISO 13406-2 pixel defect guidelines, MPR-II, CISPR, VCCI, CSA (Canada), ACA (Australia), TUV and GS Mark (German ergonomic), BSMI (Taiwan), CCC (China), MIC (South Korea), NOM (Mexico), Eastern European approvals, CE Marking, FCC approval, Energy Star, TCO '03 (emissions, ergonomics, environment), Microsoft® Windows® certified (Microsoft® Windows® 2000, Microsoft Windows XP, and Windows Vista™), UL listed, GOST (Russia), SASO (Saudi Arabia)   |  |  |
| Compatibility                | Compatible with platforms using the VESA standard video modes. Recommended for use with HP products.   |  |  |
| 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. |  |  |

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