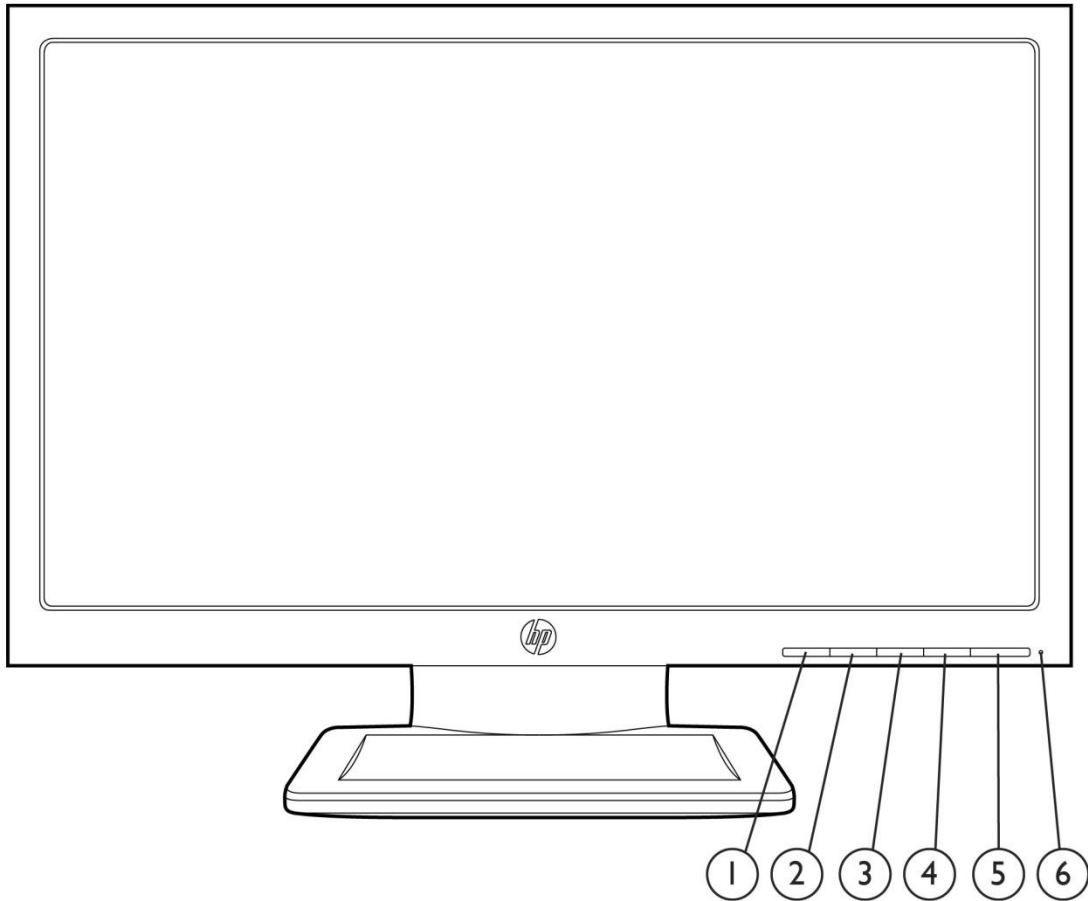


HP Compaq L2206tmp 21.5-inch LED Backlit Touch Monitor



- | | | | |
|------------------------|---|---------------------|---|
| 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/Volume | If the OSD menu is on, press to navigate backward through the OSD menu and decrease adjustment levels. If the OSD menu is inactive, press to activate the Volume adjustment menu. | 5. Power | Turns the monitor on or off. |
| 3. Plus/source | 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 (VGA, DVI, or DisplayPort). | 6. Power LED | Blue = Fully powered. Amber = Sleep mode. Flashing Amber = Sleep Timer mode. |

Technical Specifications

Model:
BOL56AA

Overview

The HP Compaq L2206tmp is a 21.5-inch LED backlit touch screen monitor with an integrated privacy filter built right in. Keep sensitive information private without diminishing touch functionality and screen readability. The privacy filter limits the horizontal viewing area to 30° left and right of the axis, which helps protect against data being viewed by persons directly beside the user. Located behind a layer of glass, the integrated filter is protected from damage by touching, environmental elements, and foreign objects.

| | |
|---|--|
| Panel | <p>Type TN (Twisted Nematic) LED Backlit LCD</p> <p>Screen Opening (W x H) 47,66 x 26,81 cm. (18.76 x 10.56 in.)</p> <p>Aspect Ratio 16:9</p> <p>Viewing Angle (typical) Up to 60° horizontal/160° vertical (10:1 minimum contrast ratio)</p> <p>Brightness (typical)* 160 nits (cd/m²)</p> <p>Contrast Ratio (typical)* 1000:1</p> <p>Dynamic Contrast Ratio (typical)* 1,000,000:1</p> <p>Response Time (typical)* 5 ms (on/off)</p> <p>Pixel Pitch 0.248 mm</p> <p>Backlight Lamp Life (to half brightness) 30,000 hours minimum</p> <p>Color Support Over 16 million colors (through FRM)</p> <p>Color Gamut (typical) 72%</p> <p>*All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.</p> |
| On Screen Display (OSD) Controls | <p>Buttons or Switches "Menu" "-" "+" "OK" "Power"</p> <p>Languages English, French, German, Italian, Dutch, Spanish, Japanese, Portuguese, Traditional Chinese, and Simplified Chinese</p> <p>User Controls Brightness, contrast, positioning, color temperature (warm, standard, cool, custom), image control (clock, clock phase, scaling, sharpness, DCR), monitor management, volume, source control, information and factory reset</p> |
| Signal Interface/ Performance | <p>Horizontal Frequency 24 to 94 kHz</p> <p>Vertical Frequency 50 to 76 Hz</p> <p>Native Resolution 1920 x 1080 @ 60 Hz</p> <p>Preset VESA Graphic Modes (non-interlaced)</p> <p>1920 x 1080 @ 60 Hz</p> <p>1680 x 1050 @ 60 Hz</p> <p>1600 x 900 @ 60 Hz</p> <p>1440 x 900 @ 60 Hz</p> <p>1280 x 1024 @ 60 Hz</p> <p>1280 x 720 @ 60 Hz</p> <p>1024 x 768 @ 60 Hz</p> <p>800 x 600 @ 60 Hz</p> <p>720 x 400 @ 70 Hz</p> <p>640 x 480 @ 60 Hz</p> <p>720 x 400 @ 70 Hz</p> <p>Text Mode</p> <p>Maximum Pixel Clock Speed 200 MHz (VGA); 170MHz (DVI and DisplayPort)</p> <p>User Programmable Modes Yes (10)</p> <p>Anti-Glare Yes</p> <p>Default Color Temperature Standard (6500K)</p> |
| Touchscreen Specification | <p>Touch Technology/interface Optical Multitouch/USB</p> |

Technical Specifications

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| Multitouch | 2 unambiguous points |
| Touch Point Response | <8.3ms with dual simultaneous touches |
| Accuracy | << ± 2.5mm @ 95% area for 21.5 inches (16:9) LCD |
| Activation (Touch Input) | Finger, gloved hand, or passive stylus (5mm diameter) included |
| Stylus (5mm diameter) | Passive, docked in rear bezel (left side) |
| Touch Certification | Windows 7 |

Notes: Full touch functionality supported with Windows® 7 Home Premium, Professional, Enterprise, and Ultimate operating systems only. Multitouch is not supported in Windows 7 Home Basic or Windows 7 Starter editions, Windows Vista editions or Windows XP operating systems.

Windows 7 Home Premium, Professional, Enterprise, and Ultimate editions support extended display touch screen functions for two monitors connected to one system. Windows 7 Home Basic and starter editions, Windows Vista, and Windows XP do not support extend display touch functionality. They support single-touch functions on the primary monitor only, not the secondary monitor (extended or cloned desktop).

| | | | |
|---------------------------|------------------------------------|---|---|
| Video/Other Inputs | Plug and Play | Yes | |
| | Input Connectors | VGA (analog), DVI-D and DisplayPort w/ HDCP, USB 2–port hub | |
| | Input Impedance | 75 Ohms (VGA) | |
| | Sync Input | TTL separate synch | |
| | Video/Other Cables | (1) DisplayPort cable, (1) DVI-D cable, (1) VGA cable, (1) USB cable, (1) Audio cable | |
| Audio | Cable Lengths | 1,8 m. (5.9 ft.) | |
| | Input/Output | (1) Audio in/microphone; (1) Headphone/line out; (1) audio cable included | |
| | Speakers | (2) 1W/channel built-in speakers (top firing) | |
| Power | Input Power | 100–240VAC 50/60 Hz | |
| | Typical Power Consumption | 25 W | |
| | Maximum | 39 W | |
| | Power Saving | < 0.5 W standby; < 0.5 W off | |
| | Power Cable Length | 1,9 m. (6.2 ft.) | |
| Mechanical | Dimensions (W x D x H) | Unpacked w/stand | 51,80 x 22,8 x 34,5 to 44,5 cm (20.39 x 8.98 x 13.6 to 17.52 in.) |
| | | Unpacked w/o stand (head only) | 51,8 x 5,36 x 32,31 cm (20.39 x 2.11 x 12.7 in.) |
| | | Packaged | 58,8 x 18,2 x 50,8 cm (23.1 x 7.16 x 20 in.) |
| | Weight | Unpacked (with stand) | 7,0 kg (15.4 lb.) |
| | | Packaged (with stand) | 9,3 kg (20.5 lb.) s |
| | | | |
| | Slider Stand | Tilt Range | -5° to +30° |
| Swivel Range | | No | |
| Height Adjustable | | Yes - from 0 to 13,0 cm. (0 to 5.1 in.) | |
| Pivot Rotation | | Yes | |
| Base | | Detachable, ships attached | |
| 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 5000 m. (16,400 ft.) | |
| | Altitude - Non-operating | 0 to 12192 m. (40,000 ft.) | |

Technical Specifications

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|---------------------------|--|--|----------------------------------|---------------------|
| Environmental Data | White LED Backlights | Yes | | |
| | CCFL Panel | No | | |
| | Arsenic-Free Display Glass | Yes | | |
| | BFR/PVC Free³ | Plastics and Finishes or Paint | | |
| | Mercury-Free Display Backlighting | Yes | | |
| | Eco-Label Certifications & Declarations | <p>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:</p> <ul style="list-style-type: none"> IT ECO declaration | | |
| | Energy Consumption | | | |
| | | 115VAC, 60Hz | 230VAC, 50Hz | 100VAC, 60Hz |
| | Normal Operation | 18.9 W | 18.8 W | 19 W |
| | Sleep | 0.4 W | 0.4 W | 0.4 W |
| | Off | 0.3 W | 0.3 W | 0.3 W |
| | Heat Dissipation* | | | |
| | | 115VAC, 60Hz | 230VAC, 50Hz | 100VAC, 60Hz |
| | Normal Operation | 65 BTU/hr | 64 BTU/hr | 65 BTU/hr |
| | Sleep | 1 BTU/hr | 1 BTU/hr | 1 BTU/hr |
| | Off | 1 BTU/hr | 1 BTU/hr | 1 BTU/hr |
| | | *NOTE: Heat dissipation is calculated based on the measured watts, assuming the service level is attained for one hour. | | |
| | Additional Information | <ul style="list-style-type: none"> 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). Plastics parts weighing over 25 grams used in the product are marked per ISO 11469 and ISO1043. This product contains 18% post-consumer recycled plastic (by wt.). This product is 98.4% recycle-able when properly disposed of at end of life. | | |
| | Packaging Materials | External: | PAPER/Cardboard & misc. | 1210 g |
| | | Internal: | PLASTIC/Polyethylene low density | 25 g |
| | RoHS Compliance | <p>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).</p> | | |
| | Material Usage | <p>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):</p> | | |

Technical Specifications

- 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

Technical Specifications

Hewlett-Packard Corporate Environmental Information

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.

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>

ISO 14001 certificates:

<http://www.hp.com/hpinfo/globalcitizenship/environment/operations/envmanagement.html>

Options

HP Single Monitor Arm – Part number BT861AA

The flexible design of the HP Single Monitor Arm provides a seemingly endless range of display adjustments with an amazing 13 inches of lift, 50 degrees of tilt, and 360 degrees of pan and rotation – all at your fingertips -- helping you stay comfortable and productive throughout the day.

HP Adjustable Dual Display Stand Part number AW664AA

Premium space-saving dual screen solution provides access to more monitor real estate and makes it possible to manage multiple applications simultaneously. Weight adjustable for dual monitors from 17-24 inches. Rotate displays into portrait/landscape positions.

HP Height Adjustable Stand for Touch Monitors Part Number A1X81AA

A height adjustable stand supporting the L2206tmp touch monitor that can replace the standard slider stand to provide greater ergonomic flexibility to position the touch screen to provide the best touch experience to end users. The stand provides a stable touch platform for either landscape or portrait orientation of the monitor.

| 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 lbs) |
| | Packaged | 4,63 kg (10.21 lbs) |
| Color | | Black |

HP Slider Stand for L2206tmp – Part number B7F51AA

The standard slider stand with tilt, height and pivot adjustment which ships with the standard L2206tmp (part number BOL55AA).

HP LCD Monitor Quick Release – Part number EM870AA¹

An easy-to-use, VESA-compliant, LCD monitor mounting solution that allows you to quickly and securely attach an LCD monitor to a variety of stands, brackets, arms or wall mounts.

HP Integrated Work Center Stand - USDT and Thin Clients) – Part number LH526AA

Allows mounting of a 17 - 24 inch diagonal HP LCD monitor and an HP Compaq dc8000 series Ultra-slim Desktop PC as well as select HP Thin Clients on a single stand for the convenience of an "all-in-one" form factor. For more information, refer to this product's QuickSpecs document.

HP Integrated Work Center for

The HP Integrated Work Center Stand allows you to easily attach a 17-

Technical Specifications

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|---|---|--|
| | Small Form Factor – Part number QK549AA | to 24-inch HP LCD monitor and an HP Compaq dc7900, 8000, 8000f Elite or 6005 Pro Ultra-slim Desktop PC or HP Thin Client on a single stand for the convenience of an "all-in-one" form factor. For more information, refer to the product's QuickSpecs. |
| | HP USB Graphics Adapter – Part number NL571AA | Enables connection of up to six simultaneous displays to help you boost productivity and multi-task across several open applications. Use one Adapter to bridge between a notebook or desktop PC and second monitor or use multiple Adapters to connect several displays to each other. |
| | 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. |
| | HP DisplayPort Cable Kit – Part number VN567AA | Connects a DisplayPort connector on an HP Business Desktop computer to a DisplayPort connector on a monitor |
| What's in the box? | Monitor and accessories | HP Compaq L2206tmp 21.5-inch LED Backlit Touch Monitor, AC Power cable, VGA cable, DisplayPort cable, DVI-D cable, USB cable, Audio cable, Passive 5mm diameter stylus, Display cleaning kit (cloth and solution) |
| | Documentation | Printed documentation and CD |
| | 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. Pivot Pro Software enables a user with a rotating display to easily and instantly switch from landscape to portrait mode, and back. |
| Other | User Guide Languages | English, S. Chinese, T. Chinese, Bahasa Indonesia, Japanese, Korean, Brazilian Portuguese, French, Spanish (International), Kazakh, German, Russian |
| | Warranty Languages | English, S. Chinese, T. Chinese, Bahasa Indonesia, Japanese, Korean, Brazilian Portuguese, French, Spanish (International), Kazakh, German, Russian |
| | Color | Black |
| | VESA External Mounting | Yes (one set of standard 4-hole pattern, 100 mm). |
| | Security Lock-Ready | Yes |
| Certification and Compliance | CAS and IEC 60950-1 Second Edition, CEL Grade 2, CB, CE, ISO 13406-2, CSA, FCC, EPA, GOST, NOM, TUV-S, VCCI, KC/KCC, PSB, ISC, BSMI, C-TICK, CCC, E-standby | |
| Compatibility Service and Warranty | Compatible with platforms using the VESA standard video modes. Recommended for use with HP products. Protected by HP, including a 3 year standard limited warranty. Optional Care Pack Services are extended service contracts which go beyond your standard warranties. ² | |

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¹ 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.

² 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

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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>.

³External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.

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