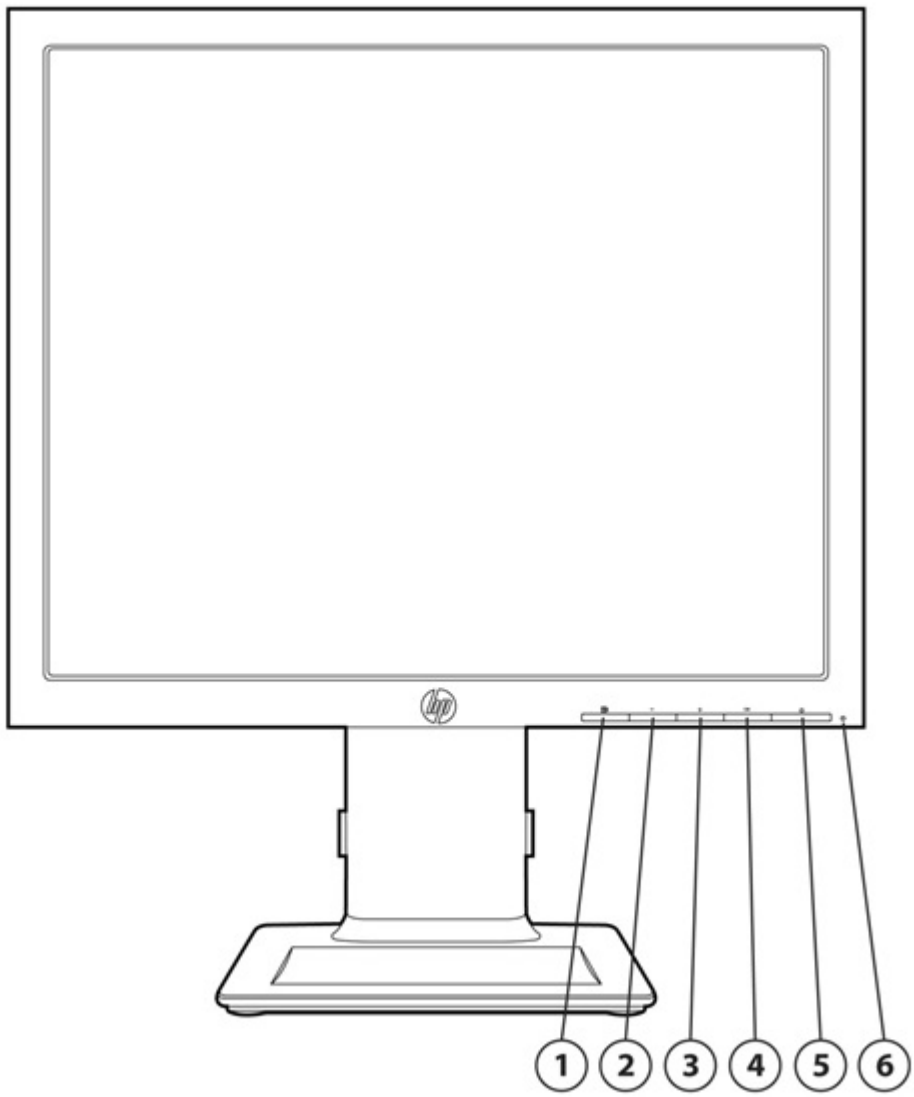
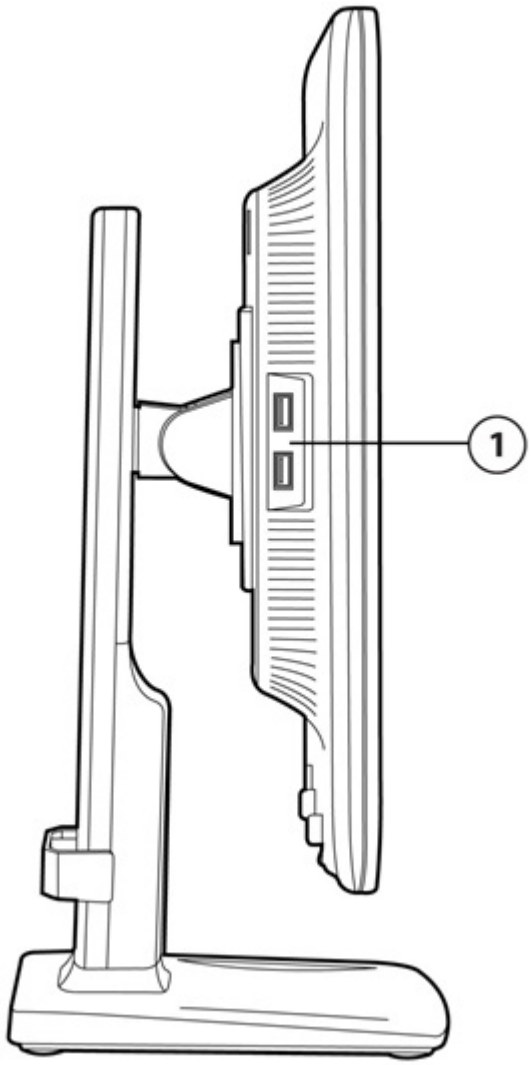
Overview



1. Menu/Select
2. "-" OSD Navigation/Auto Adjust
3. "+" OSD Navigation/Input Select
4. OK
5. Power
6. Power LED

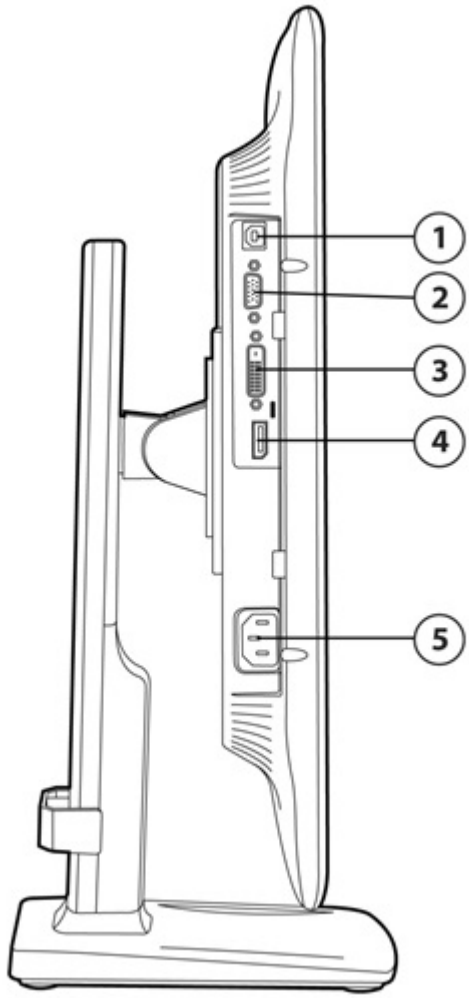
Overview



Side view

1. USB 2.0 ports

Overview



Pivot view (monitor pivoted to reveal bottom ports)

1. USB upstream connector
2. VGA connector
3. DVI-D connector
4. DisplayPort connector
5. Power connector

Models

Part Number: A9S75AA

Technical Specifications

Panel	**Type**	TN (Twisted Nematic) LED Backlit LCD
	Viewable Image Area (diagonal)	**48,25 cm** (19 in)
	Screen Opening (WxH)	**37,8 x 30,3 cm** (14.9 x 11.9 in)
	Aspect Ratio	5:4
	Viewing Angle (typical)*	Up to 170° horizontal/160° vertical (10:1 contrast ratio)
	Brightness (typical)*	250 nits (cd/m^2)
	Dynamic Contrast Ratio (typical)	1,000,000:1
	Contrast Ratio (typical)*	1000:1
	Response Time (typical)*	5 ms (rise + fall)
	Pixel Pitch	**0.294 mm**
	Backlight Lamp Life (to half brightness)	30K hours
	Color Gamut	72%
	Color Support**	Can display up to 16.7 million colors
	* 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.	
Video/Other Inputs	**Plug and Play**	Yes
	USB 2.0 Hub	Self-powered; two ports (cable included)
	USB Cable	**1,8 m** (5.9 ft); detached
	Input Connectors	Three connectors: (1) 15-pin mini D-sub analog VGA and (1) DVI-D and (1) Display Port
	Input Impedance	75 ohms ± 2%
	Sync Input	Separate sync (HSYNC/VSYNC)
	Video Cables	VGA, DVI-D (select regions), DisplayPort(select regions)
	Video Cable Length	**1,8 m** (5.9 ft.); detached
Signal Interface/ Performance	**Horizontal Frequency**	24 to 83 kHz
	Vertical Frequency	50 Hz to 76 Hz
	Native Resolution	1280 x 1024 @ 60 Hz (analog) 1280 x 1024 @ 60 Hz (digital)
	Max Resolution (Analog)	1280 x 1024 @ 60 Hz
	Max Resolution (Digital)	1280 x 1024 @ 60 Hz
	Preset VESA Modes (non-interlaced)	640 x 480 @ 60 Hz 720 x 400 @ 70 Hz 800 x 600 @ 60 Hz 1024 x 768 @ 60 Hz 1280 x 1024 @ 60 Hz

Technical Specifications

	Fail Safe Mode	Yes (limits out of range signal messages)	
	Max Pixel Clock Speed	170 MHz	
	User Programmable Modes	Yes, 10	
	Anti-Glare	Yes	
	Anti-Static	Yes	
	Asset Control	Yes (accessible on HP Compaq Business Desktops featuring HP Client Manager)	
	Default Color Temperature	Warm (6500° Kelvin)	
On Screen Display (OSD) **Controls**	**Buttons and Switches**	4-button OSD (menu, minus, plus, OK); power on/off; second level OSD buttons include dual-input switch, auto-adjust	
	Languages	English, Spanish, French, German, Dutch, Italian, Simplified Chinese, Japanese, Portuguese, and Traditional Chinese	
	User Controls	Size and positioning, contrast, brightness, clock, clock phase, selectable color temperature, serial number, mode displayed, sleep timer, input selection, factory reset, individual color contrast, full-screen resolution	
Power	**Power Supply**	Auto-ranging, 90 to 265 VAC; internal power supply	
	Input Power	100 ~ 240 VAC	
	Nominal Current	1.5 A maximum	
	Frequency	50 ~ 60 Hz	
	Maximum	35 W	
	Average	27 W	
	Power Saving Mode	< 0.5 W	
	Off Mode	< 0.5 W	
	Power Cable Length	**1,9 m** (6.2 ft); detached	
Mechanical	**Dimensions** (W x D x H)	**Packaged**	**48,6 x 19 x 42,4cm** (19.1 x 7.48 x 16.6 in)
		Unpacked with stand (minimum)	**41,7 x 19,2 x 36,6 cm** (16.4 x 7.5 x 14.4 in)
		Unpacked with stand (maximum height)	**41,7 x 19,2 x 48,6 cm** (16.4 x 7.5 x 19.1 in)
		Base area (footprint)	**21 x 19,2 cm** (8.26 x 7.56 in)
		Panel only (without stand)	**41,7 x 4,7 x 34,7 cm** (16.4 x 1.8 x 13.6 in)
	Weight	**Packaged**	**6,2 kg** (13.67 lb)
		Unpacked with stand	**4,5 kg** (9.92 lb)
		Panel Only (without stand)	**2,8 kg** (6.17 lb)

Technical Specifications

	Bezel Width	**19,9 mm** (.78 in) left and right, **19,9 mm** (.78 in) top, and **25,7 mm** (1.01 in) bottom
	Tilt Range	-5° to +25°
	Swivel Range	± 180° horizontal swivel
	Height Adjustable	Yes, **12 cm** (4.7 in) adjustment range
	Pivot Rotation	Yes, 90° into portrait orientation
	Base	Ships attached and is removable (four screws)
Environmental	**Temp. - Operating**	41° to 95° F (5° to 35° C)
	Temp. - Non-operating	-4° to 140° F (-20° to 60° C)
	Humidity - Operating	20% to 80%, non-condensing
	Humidity - Non-operating	5% to 95%
	Altitude - Operating	**0 to 5,000 m** (0 to 16,404 ft)
	Altitude - Non-operating	**0 to 12192 m** (0 to 40,000 ft)
	White LED Backlights	Yes
	CCFL Panel	No
	Arsenic-Free Glass[4]	Yes
	Low Halogen[5]	Yes
	Mercury Free	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 06 • EPEAT® Gold where HP registers commercial desktop 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	13.5 W	14.1 W	NA
Sleep	0.61 W	0.71 W	NA
Off	0.35 W	0.41 W	NA

Heat Dissipation*	**115VAC, 60Hz**	**230VAC, 50Hz**	**100VAC, 60Hz**
Normal Operation	46 BTU/hr	48 BTU/hr	NA
Sleep	2 BTU/hr	2 BTU/hr	NA

Off	1 BTU/hr	1 BTU/hr	NA

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

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: www.epeat.net
- Plastics parts weighing over 25 grams used in the product are marked per ISO 11469 and ISO1043.
- This product contains 16.2% post-consumer recycled plastic (by wt.)
- This product is 98.9% recycle-able when properly disposed of at end of life.

Packaging Materials

External:	PAPER/Paper	503 g
Internal:	PLASTIC/EPS (Expanded Polystyrene)	280 g
	PLASTIC/EPE-Expanded Polyethylene	39.7g

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/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 (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 ISO 14001 certificates: http://www.hp.com/hpinfo/globalcitizenship/environment/operations/envmanagement.html
Options (sold separately)	**HP LCD Speaker Bar** — Part number NQ576AA	Powered directly by the connected 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 dual external headphone jacks. Sold separately. For more information, refer to the product's QuickSpecs.
	HP LCD Monitor Quick Release — Part number EM870AA[1]	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. For more information, refer to this product's QuickSpecs document.
	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 DVI to DVI cable— Part number DC198A	Connect to external monitors with a DVI connector from an HP Compaq Business Desktop computer with a DVI connector. The cable is a single link cable with DVI-D support on both connectors. The cable will connect to either a DVI-D or DVI-I connector on the monitor and the graphics card.
What's in the box?	**Monitor and Accessories**	HP LA1956x19inch LED Backlit Monitor; VGA cable; DVI cable (select regions); DisplayPort cable (select regions); USB cable; AC Power cable
	Documentation	Printed documentation and CD
	Featured Software	Yes – HP Display Asst, Auto Adjustment Pattern Utility, Monitor Driver, PDF Complete (v35109 rc4)
Other	**User Guide Languages**	English, Danish, Dutch, Finnish, French, German, Italian, Kazakh, Norwegian, Portuguese (Brazilian), Spanish, Swedish, Czech, Greek, Hungarian, Polish, Russian, Slovenian, Turkish, Arabic, T. Chinese, S. Chinese, Korean, Bahasa Indonesia, Japanese
	Warranty Languages	English, Danish, Dutch, Finnish, French, German, Italian, Kazakh, Norwegian, Portuguese (Brazilian), Spanish, Swedish, Czech, Greek, Hungarian, Polish, Russian, Slovenian, Turkish, Arabic, T. Chinese, S. Chinese, Korean, Bahasa Indonesia, Japanese
	Color	Silver
	VESA Mounting Support	Yes (one set of standard 4-hole pattern, 100 mm). Base must first be removed.
	Security Lock-Ready	Yes
Certification and Compliance	TCO Displays, ISO 9241-307, CISPR Requirements, VCCI Approvals, KC and KCC (Korean) Requirements, CSA 60950-1, UL 60950-1, EN55022 Class B, CNS 13438 Class B, IEC 60950-1, China Energy Label (CEL), China MEPS, Korea MEPS (pending, Energy Boy), SmartWay - NA only - Energy logistics, EUP Lot 6 Tier 1 AS/NZS 3548 Class B Approval, "GS" Mark, TUV Approvals, GEEA, CE Marking, FCC Part 15 class B Approval, ENERGY STAR® qualified, EN55024 Class B, EN60950 -1, CUL, CCIB, CCEE, IT ECO (EDS), EPEAT® Gold (select regions)[3]	
Compatibility	VESA Video Signal Standard (VSIS) Compliant video cards have been tested and proven compatible for use with this monitor. Recommended for use with HP products.	
Service and Warranty	Protected by HP, including a 3 yearstandard 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 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.
[3] EPEAT® Gold where HP registers commercial display products. See www.epeat.net for registration status in your country.
[4] Arsenic and its compounds were not detected using US EPA Test Methods 3052 & 3052/6010b by ICP or ICP-AES with a with a Method Detection Limit of 10 ppm.
[5] External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.

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.