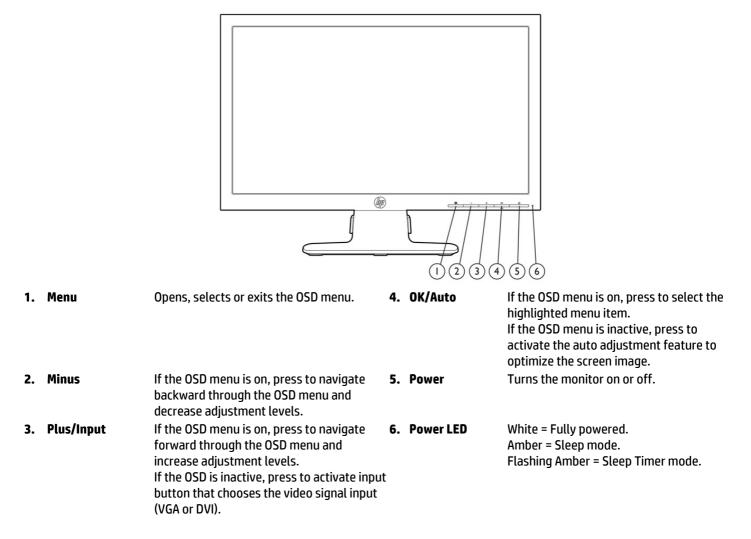
Overview



Boost Productivity with Dual Monitor Work Solution



Use two P221 monitors with an HP Adjustable Dual Display Stand (AW664AA) for a small footprint, high productivity work solution.

(Multi-monitor support depends on your PC capability. Monitors and stands are sold separately.)

Model: C9E49AA

Panel	Туре	TN (Twisted Nematic) LED Backlit LCD
	Viewable Image Area (diagonal)	54,61 cm (21.5 in.) widescreen; diagonally measured
	Screen Opening (W x H)	47,8 x 26,9 cm (18.74 x 10.55 in.)
	Aspect Ratio	16:9
	Viewing Angle (typical)	Up to 170° horizontal/160° vertical (10:1 minimum contrast ratio)
	Brightness (typical)*	250 nits (cd/m ²)
	Contrast Ratio (typical)*	1000:1
	Dynamic Contrast Ratio (typical)*	3,000,000:1
	Response Time (typical)*	5 ms (on/off)
	Pixel Pitch	0.248 mm
	Backlight Lamp Life (to half brightness)	30,000 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.	
On Screen Display	Buttons or Switches	Menu, Minus ("-"), Plus ("+")/Input, OK/Auto and Power
(OSD) Controls	Languages	English, French, German, Italian, Dutch, Spanish, Japanese, Portuguese, Traditional Chinese, and Simplified Chinese
	User Controls	Brightness, contrast, positioning, color temperature (6500k, 9300k, custom), individual color control, serial number, display, clock, clock phase, monitor management, factory reset.
Signal Interface/	Horizontal Frequency	24 to 94 kHz
Performance	Vertical Frequency	50 to 76 Hz
	Native Resolution	1920 x 1080 @ 60 Hz
	Preset VESA Graphic	640x 480 @ 60 Hz
	Modes (non-interlaced)	720 x 400 @ 70 Hz
		800 x 600 @ 60 Hz
		1024 x 768 @ 60 Hz
		1280 x 720 @ 60 Hz
		1280 x1024 @ 60 Hz
		-
		1440 x 900 @ 60 Hz
		1440 x 900 @ 60 Hz 1600 x 900 @ 60 Hz
		1440 x 900 @ 60 Hz 1600 x 900 @ 60 Hz 1680 x 1050 @ 60 Hz
	Text Mode	1440 x 900 @ 60 Hz 1600 x 900 @ 60 Hz



Maximum Prote Lubok F70 VMP2 Speed User Programmable Yes (10) Modes 2 Anti-Glare Yes (10) Befault Color 6500 K Temperature 5500 K Imput Connectors VGA (analog); DVI with HDCP support Input Connectors 75 0hms Sync Input TL separate synch Video Cable 75 0hms Sync Input TL separate synch Video Cable Lengths 1,8 m (5,9 ft.) Audio N/A Audio Cable Lengths 1,8 m (5,9 ft.) Audio Cable Lengths 1,9 m (5,2 ft.) Input Power 22 W Consumption 22 W Maximum 28 W Power Cable Length 1,9 m (6,2 ft.) Power Cable Length 1,9 m (6,2 ft.) Mechanical Dimensions (W x D x H) Maximum 28 W Power Cable Length 1,9 m (6,2 ft.) Mechanical Binessions (W x D x H) Meximum 28 W Length 1,9 m	-	Maulium Binal Clash	170 MU-	
Modes Modes Anti-Glare Yes Default Color G500 K Temperature Yes Input Connectors VGA (analog); DVI with HDCP support Input Impedance 75 Ohms Sync Input TL separate synch Video Cable Lengths 1,8 m (5.9 ft.) Audio No Audio Cable Lengths 1,8 m (5.9 ft.) Audio Cable Length N/A Power Power Supply Internal Inpt Power 100 - 240 VAC, 50 or 60 Hz Ternal Typical Power Supply Internal Ternal Inpt Power 28 W Yes Orsumption 210 - 240 VAC, 50 or 60 Hz Ternal Maximum 28 W Yes Yes Power Gable Length 1,9 m(c2 ft.) Yes Mechanical Dimensions (W x D x H) Inpacked w/s tand (2.03 x A far, 9 cm, (2.		Maximum Pixel Clock Speed	170 MHz	
Video/Other Inputs Default Color Temperature 5500 K Video/Other Inputs Plug and Play Yes Input Connectors VGA (analog); DVI with HDCP support TC Input Impedance 75 0hms Status Sync Input TTL separate synch Video Cables Video Cables (1)VGA; (1) DVI VE Video Cable Lengths 1,8 m (5.9 ft.) - Audio No - Audio No - - Power Supply Internal - - Input Power 22 W - - Typical Power 22 W - - Power Saving <.5.5 W - - Power Cable Length J.9 m (6.2 ft.) - - Mechanical Dimensions (W x D x H) Unpacked w/stand 51,8 x 16 x 37.9 cm, (20.39 x 1.3 x 15.2 cm, (20.39 x 1.3 x 15.2 cm, (20.39 x 1.3 x 1.4 y 2 in.) Mechanical Dimensions (W x D x H) Unpacked w/stand 51,8 x 16 x 37.9 cm, (20.39 x 1.3 x 1.5 x 5.2 x 17.6 in.) Base Base area (footprint) 2		-	Yes (10)	
Temperature Yes Juga and Play Yes Input Connectors VGA (analog); DVI with HDCP support Input Impedance 75 Ohms Sync Input TI separate synch Yideo Cables (1)VGA; (1) DVI Video Cable Lengths 1,8 m (5.9 ft.) Audio No Audio Cable Lengths 1,8 m (5.9 ft.) Audio Cable Lengths 1,8 m (5.9 ft.) Power Supply Internal Input Power 100 - 240 VAC, 50 or 60 Hz Typical Power 202 V Maximu 28 W Power Saving <0.5 W Power Cable Length 1,9 m (6.2 ft.) Power Cable Length 1,9 m (6.2 ft.) Power Cable Length 1,9 m (6.2 ft.) Junpacked w/ostand (s.3 x 14.92 in.) (20.39 x 6.3 x 14.92 in.) Meximu 23,85 x 16 cm, (9.4 x 6.3 x 10.92 in.) Input Connexity Sign (4.2 tim.) Packaged 5,8 x 13,2 x 44,7 cm, (23.15 cm, (0.4 tim.)) Inpacked w/ostand (s.3 x 14.92 in.) (20.39 x 6.3 x 14.92 in.) Input Connexity Sign (4.2 tim.) Packaged 3,8 kg (7.48 lb.) <th></th> <th>Anti-Glare</th> <th>Yes</th> <th></th>		Anti-Glare	Yes	
Video/Other inputsPlug and PlayYesinput ConnectorsVGA (analog); DVI with HDCP supportinput Impedance75 0hmsSync InputTTL separate synchVideo Cables10/VGA; (1) DVIVideo Cable Lengths1,8 m (5.9 ft.)Audio Cable LengthN/AAudio Cable LengthN/APower100 - 240 VAC, 50 or 60 HzInput Power22 WConsumption22 WMaximum28 WPower Saving<0.5 WPower Cable Length1,9 m (6.2 ft.)Power Saving<0.5 WPower Cable Length1,9 m (6.2 ft.)Power Saving<0.5 SWPower Cable Length1,9 m (6.2 ft.)Power Saving<0.5 SWPower Saving<0.5 SWPower Cable Length1,9 m (6.2 ft.)Power Saving<0.5 SWPower Saving<0.5 SWPower Cable Length1,9 m (6.2 ft.)Power Saving<0.5 SWPower Cable Length1,8 x 16 x 37.9 cm. (20.3 9 x 1.3 x 12.4 ih.)Power Saving<0.5 WPower Saving<0.5 WPower Saving<0.5 WPower Saving<0.5 SSPower Saving<0.5 SSPower Saving<0.5 SSPower Saving<0.5 SSPower Saving<0.5 SSPower Saving<0.5 SSPower Saving<0.5 SS </th <th></th> <th>Default Color</th> <th>6500 K</th> <th></th>		Default Color	6500 K	
Input Connectors VGA (analog); DVI with HDCP support Input Impedance 75 0 hms Sync Input TTL separate synch Video Cables (1)VGA; (1) DVI Video Cable Lengths 1,8 m (5.9 ft.) Audio No Audio Cable Lengths 1,8 m (5.9 ft.) Audio Cable Length N/A Power Power Supply Input Power 100 – 240 VAC, 50 or 60 Hz Typical Power 22 W Consumption 22 W Maximum 28 W Power Saving <0.5 W Power Cable Length 1,9 m (6.2 ft.) Mechanical Dimensions (W x D x H) Umpacked w/stand \$1,8 x 16 x 37.9 cm, (20.39 x 6.3 x 14.92 in.) Mechanical Dimensions (W x D x H) Mechanical Umpacked w/stand \$1,8 x 16 x 37.9 cm, (20.39 x 6.3 x 14.92 in.) Mechanical Weight Save area (footprint) 23,8 x 13,2 x 44,7 cm, (23.15 x 5.2 x 17.6 in.) Mechanical Weight Head Only 3,3 kg (7.48 lb.) Mechanical No Sigki (2.1 lb.) Mechanical Sigki (2.1 lb.) Sigki (2.1 lb.)		Temperature		
Input impedance 75 0 hms Sync Input TTL separate synch Video Cables (1)/GA; (1) DVI Video Cables (1)/GA; (1) DVI Video Cable Lengths 1,8 m (5.9 ft.) Audio No Audio Cable Length N/A Power 100 – 240 VAC, 50 or 60 Hz Typical Power 22 W Consumption 22 W Maximum 28 W Power Cable Length 1,9 m (6.2 ft.) Maximum 28 W Power Cable Length 1,9 m (6.2 ft.) Mechanical Dimensions (W x D x H) Umpacked w/stand 51,8 x 16 x 37.9 cm, (20.39 x 6.3 x 14.92 in) Video Cable Length 1,9 m (6.2 ft.) Mechanical Dimensions (W x D x H) Umpacked w/stand 51,8 x 16 x 37.9 cm, (2.0 39 x 6.3 x 14.92 in) Weight Head Only 20.39 x 1.67 x 12.4 in) Packaged 51,8 x 15 x 52 x 17.6 in), (2.0 39 x 5.3 x 14.92 in) Weight Head Only 3,8 kg (7.48 lb.) Unpacked 4 kg (8.8 lb.) Packaged 55 kg (12.1 lb.) Pivot Rotation No	Video/Other Inputs	Plug and Play	Yes	
Sync Input TTL separate synch Video Cables (1)VGA; (1) DVI Video Cable Lengths 1,8 m (5.9 ft.) Audio No Audio Cable Length N/A Power Power Supply Input Power 100 – 240 VAC, 50 or 60 Hz Typical Power 22 W Consumption 22 W Maximum 28 W Power Cable Length 1,9 m (6.2 ft.) Mechanical Dimensions (W x D x H) Unpacked w/s stand Power Cable Length 1,9 m (6.2 ft.) Mechanical Dimensions (W x D x H) Unpacked w/s stand (head 51,8 x 475 x 31.52 cm, only) Videgddddddddddddddddddddddddddddddddddd		Input Connectors	VGA (analog); DVI with HDC	P support
Video Cables (1)VGA; (1) DVi Video Cable Lengths 1,8 m (5.9 ft.) Audio No Audio Cable Length N/A Power Power Supply Internal Input Power 100 – 240 VAC, 50 or 60 Hz Typical Power 22 W Consumption 22 W Maximum 28 W Power Cable Length 1,9 m (6.2 ft.) Mechanical Dimensions (W x D x H) Unpacked w/stand 51,8 x 16 x 37.9 cm, (20.39 x 6.3 x 14.92 in.) Veget Cable Length 1,9 m (6.2 ft.) Unpacked w/stand 51,8 x 16 x 37.9 cm, (20.39 x 6.3 x 14.92 in.) Mechanical Dimensions (W x D x H) Unpacked w/stand 51,8 x 16 x 37.9 cm, (20.39 x 6.3 x 14.92 in.) Mecked m/s stand (head 51,8 x 47,5 x 31.52 cm, only) (20.39 x 6.3 x 14.92 in.) (20.39 x 6.3 x 14.92 in.) Meadenical Meaged 58,8 x 13.2 x 44, 7m, (23.15 x 5.2 x 17.6 in.) (20.315 x 5.2 x 17.6 in.) Maximum Base area (footprint) 23,85 x 16 cm, (9.4 x 6.3 in.) Meight Head Only 3,3 kg (7.48 lb.) Unpacked No No It Range No Sis kg (12.1 lb.)		Input Impedance	75 Ohms	
Neight of the second		Sync Input	TTL separate synch	
AudioNoAudio Cable LengthN/AAudio Cable LengthInternalPower SupplyInternalInput Power22 WTypical Power22 WConsumption28 WPower Saving<0.5 WPower Cable Length1,9 m (6.2 ft.)Power Cable Length1,9 m (6.2 ft.)MaxinumUnpacked w/o stand (head 1,8 x 4,75 x 31.52 cm, (20.39 x 6.3 x 14.92 in.))Power Cable Length1,9 m (6.2 ft.)Power Cable LengthUnpacked w/o stand (head 1,8 x 4,75 x 31.52 cm, (20.39 x 6.3 x 14.92 in.))Power Cable LengthUnpacked w/o stand (head 1,8 x 4,75 x 31.52 cm, (20.39 x 6.3 x 14.92 in.))Power Cable LengthSase area (footprint)23,85 x 16 cm, (9.4 x 6.3 in.)PackagedSase area (footprint)3,3 kg (7.48 lb.)Packaged-5° to +25°-1000Poiver RangeNo-1000Meight AdjustableNo-1000Pivot RotationNo-1000Pivot RotationNo-1000FurorenmentalTemperature -Operation5° to 425° -1000Pivot RotationNo-1000-1000Pivot RotationNo-1000-1000Pivot RotationNo-1000-1000Pivot RotationSips detached-1000-1000Pivot RotationSips detached-1000-1000Pivot RotationSips detached-1000-1000Pivot RotationSips detached-1000-1000Pivot RotationSips deta		Video Cables	(1)VGA; (1) DVI	
Audio Cable Length PowerN/APower Supply Internal Input Power100 - 240 VAC, 50 or 60 HzInput Power Consumption22 WMaximum28 WPower Saving Power Cable Length-0.5 WPower Cable Length1,9 m (6.2 ft.)MechanicalUmpacked w/stand Only51,8 x 16 x 37.9 cm, (20.39 x 6.3 x 14.92 in.)MechanicalUmpacked w/o stand (bead state) Only51,8 x 4,75 x 31.52 cm, (20.39 x 6.3 x 14.92 in.)MechanicalWeightSase area (footprint) Unpacked w/o stand (bead state) (23.15 x 5.2 x 17.6 in.)MechanicalWeightBase area (footprint) Unpacked w/o stand (bead state) 		Video Cable Lengths	1,8 m (5.9 ft.)	
Power Internal Input Power 100 - 240 VAC, 50 or 60 H∠ Input Power 22 W Consumption 22 W Maximum 28 W Power Saving <0.5 W Power Cable Length 1,9 m (6.2 ft.) Mechanical Unpacked w/stand \$1,8 x 16 x 37.9 cm, (20.39 x 6.3 x 14.92 in.) Mechanical Unpacked w/stand \$1,8 x 16 x 37.9 cm, (20.39 x 6.3 x 14.92 in.) Mechanical Unpacked w/stand \$1,8 x 16 x 37.9 cm, (20.39 x 6.3 x 14.92 in.) Mechanical Unpacked w/stand \$1,8 x 16 x 37.9 cm, (20.39 x 6.3 x 14.92 in.) Mechanical Unpacked w/stand \$1,8 x 16 x 37.9 cm, (20.39 x 6.3 x 14.92 in.) Mechanical Unpacked w/stand \$1,8 x 16 x 37.9 cm, (20.39 x 6.3 x 14.92 in.) Mechanical Unpacked w/stand \$1,8 x 16 x 37.9 cm, (20.39 x 6.3 x 14.92 in.) Mechanical Unpacked w/stand \$1,8 x 16 x 37.9 cm, (20.39 x 6.3 x 14.92 in.) Mechanical Unpacked w/stand \$1,8 x 16 x 37.9 cm, (23.15 x 5.2 x 17.6 in.) Meaged Sabs x 16 cm, 9.4 x 6.3 in.) Head Only 3,8 kg (7.48 lb.) Muscle Sivel Range No Si kg (12.1 lb.) Heig		Audio	No	
Input Power 100 - 240 VAC, 50 or 60 H∠ Typical Power 22 W Consumption 28 W Maximum 28 W Power Saving <0.5 W Power Cable Length 1.9 m (6.2 ft.) Mechanical Dimensions (W x D x H) Unpacked w/stand 51,8 x 16 x 37.9 cm, (20.39 x 6.3 x 14.92 in.) Mechanical Dimensions (W x D x H) Unpacked w/o stand (head to the stand stand) 19,8 x 16,7 x 31.52 cm, (20.39 x 6.3 x 14.92 in.) Mechanical Weight Unpacked w/o stand (head to the stand) 18,8 x 1,7 x 31.52 cm, (20.39 x 6.3 x 14.92 in.) Maximum Base area (footprint) 23,85 x 16 cm, (9.4 x 6.3 in.) Mechanical Weight Head Only 3,3 kg (7.48 lb.) Unpacked No 100-240 x 20° to 25° 100-240 x 20° to 25° Keight Adjustable No 100-210 x 20° to 25° 100-210 x 20° to 25° Fivot Rotation No 100-210 x 20° to 25° to 25° 100-210 x 20° to 25° to 25° Base No 100-210 x 20° to 25° to 25° 100-210 x 20° to 25° to 25° Fivot Rotation No 100-210 x 20° to 25° to 25° 100-210 x 20° to 25° to 25° Fivot Rotation Sip		Audio Cable Length	N/A	
Typical Power Consumption22 WMaximum28 WPower Saving<0.5 WPower Cable Length1,9 m (6.2 ft.)MechanicalDimensions (W × D × H)Unpacked w/stand\$1,8 x 16 x 37.9 cm, (20.39 × 6.3 x 14.92 in.)MechanicalDimensions (W × D × H)Unpacked w/o stand (hear (20.39 × 6.3 x 14.92 in.)\$1,8 x 16 x 37.9 cm, (20.39 × 6.3 x 14.92 in.)MechanicalWeightUnpacked w/o stand (hear (20.39 × 6.3 x 14.92 in.)\$1,8 x 16 x 37.9 cm, (20.39 × 6.3 x 14.92 in.)MechanicalWeightBase area (footprint)\$2,38 x 16 cm, (9.4 × 6.3 in.)MechanicalWeightBase area (footprint)\$3,88 x 13,2 x 44,7 cm, (23.15 × 5.2 × 17.6 in.)MechanicalWeightHead Only\$3,88 x 16,2 x 44,7 cm, (23.15 × 5.2 × 17.6 in.)MechanicalWeightSise area (footprint)\$3,88 x 16,2 x 44,7 cm, (23.15 × 5.2 × 17.6 in.)MechanicalWeightHead Only\$3,88 x 16,2 x 44,7 cm, (23.15 × 5.2 × 17.6 in.)MechanicalNo\$5 to +25°MechanicalSise area (footprint)\$5 to \$12.1 lb.)MechanicalNo\$5 to +25°Minical AdjustableNo\$5 to \$12.1 lb.)Pivot RotationNo\$1000000000000000000000000000000000000	Power	Power Supply	Internal	
KonsumptionMaximum28 WPower Saving<0.5 WPower Cable Length1,9 m (6.2 ft.)MechanicalDimensions (W x D x H)Unpacked w/o stand (head 1, 18 x 4,75 x 31.52 cm, onlyUnpacked w/o stand (head 1, 18 x 4,75 x 31.52 cm, only<0.39 x 1.87 x 12.4 in.)Packaged58,8 x 13,2 x 44,7 cm, (2.315 x 5.2 x 17.6 in.)MethanicalKeightHead OnlyMethanical3,8g x 13,2 x 44,7 cm, (2.315 x 5.2 x 17.6 in.)MaximumFackaged3,8g x 13,2 x 44,7 cm, (2.315 x 5.2 x 17.6 in.)MaximumHead Only3,8g (7.48 lb.)MethanicalJilt Range3,8g (7.48 lb.)Mit RangeNo4kg (8.8 lb.)Mit RangeNo5.8 kg (12.1 lb.)Mit RangeNo		Input Power	100 – 240 VAC, 50 or 60 Hz	
Power Saving Power Cable Length< 0.5 W			22 W	
Power Cable Length1,9 m (6.2 ft.)MechanicalDimensions (W × D × H)Unpacked w/stand\$1,8 x 16 x 37.9 cm, (20.39 × 6.3 × 14.92 in.)MechanicalUnpacked w/o stand (hest + 1000)\$1,8 x 4,75 x 31.52 cm, (20.39 × 1.87 × 12.4 in.)MechanicalUnpacked w/o stand (hest + 1000)\$1,8 x 4,75 x 31.52 cm, (20.39 × 1.87 × 12.4 in.)MechanicalWeightPackaged\$8,8 x 13,2 x 44,7 cm, (23.15 × 5.2 x 17.6 in.)MechanicalWeightBase area (footprint)\$3,85 x 16 cm, (9.4 × 6.3 in.)MechanicalWeightHead Only\$3,85 x 16 cm, (9.4 × 6.3 in.)MechanicalTilt Range\$1,8 x 4,75 x 31.52 cm, (20.31 × 5.2 x 17.6 in.)MechanicalFor +25°\$4,80 k.]Mechanical\$1,8 x 4,75 x 31.52 cm, (20.31 × 5.2 x 17.6 in.)MechanicalSister + 25°\$5,80 (12.1 th.)Mit RangeNo\$5,80 (12.1 th.)Meight AdjustableNo\$5,80 (12.1 th.)Height AdjustableNo\$5,80 (12.1 th.)BaseSips detached\$5,80 (12.1 th.)Pivot RotationNo\$5,80 (12.1 th.)BaseSips detached\$5,80 (12.1 th.)Temperature - Operating\$6,05° C (41° to 95° F)Temperature - Non-\$20° to 60° C (-4° to 140° F)		Maximum	28 W	
MechanicalDimensions (W x D x H)Unpacked w/stand51,8 x 16 x 37.9 cm, (20.39 x 6.3 x 14.92 in.)MechanicalUnpacked w/o stand (head 51,8 x 4,75 x 31.52 cm, only)(20.39 x 1.87 x 12.4 in.)Packaged20.39 x 1.87 x 12.4 in.)PackagedPackaged58,8 x 13,2 x 44,7 cm, (23.15 x 5.2 x 17.6 in.)Base area (footprint)23,85 x 16 cm, (9.4 x 6.3 in.)WeightHead Only3,3 kg (7.48 lb.)Head Only3,3 kg (7.48 lb.)ImpackedNoTilt Range-5° to +25°Swivel RangeNoHeight AdjustableNoPivot RotationNoBaseships detachedFenvironmentalTemperature - Operating Temperature - Non-		Power Saving	< 0.5 W	
(20.39 × 6.3 × 14.92 in.) Unpacked w/o stand (head 51,8 × 4,75 × 31.52 cm, only) (20.39 × 1.87 × 12.4 in.) Packaged 58,8 × 13,2 × 44,7 cm, (23.15 × 5.2 × 17.6 in.) Base area (footprint) 33,85 × 16 cm, (9.4 × 6.3 in.) Head Only 33,8g (7.48 lb.) Unpacked Head Only 33,8g (7.48 lb.) Unpacked 4 kg (8.8 lb.) Packaged 5,5 kg (12.1 lb.) Tilt Range No Filt Range Swivel Range No Filt Range Sing detached Filt Ran		Power Cable Length	1,9 m (6.2 ft.)	
Impacked w/o stand (head 51,8 x 4,75 x 31.52 cm, only) (20.39 x 1.87 x 12.4 in.) Packaged 58,8 x 13,2 x 44,7 cm, (23.15 x 5.2 x 17.6 in.) Base area (footprint) 23,85 x 16 cm, (9.4 x 6.3 in.) Base area (footprint) 23,85 x 16 cm, (9.4 x 6.3 in.) Weight Head Only 3,3 kg (7.48 lb.) Unpacked 4kg (8.8 lb.) Packaged -5° to +25° Filt Range -5° to +25° Swivel Range No Height Adjustable No Pivot Rotation No Base ships detached Fits Rame ships detached Fits Rater - Operation So to 35° C (41° to 95° F) Temperature - None 20° to 60° C (-4° to 140° F)	Mechanical	Dimensions ($W \times D \times H$)	Unpacked w/stand	51,8 x 16 x 37.9 cm,
environmental only (20.39 x 1.87 x 12.4 in.) Packaged 58,8 x 13,2 x 44,7 cm, (23.15 x 5.2 x 17.6 in.) Base area (footprint) 23,85 x 16 cm, (9.4 x 6.3 in.) Base area (footprint) 3,3 kg (7.48 lb.) Head Only 3,3 kg (7.48 lb.) Unpacked 4kg (8.8 lb.) Packaged 5,5 kg (12.1 lb.) Tilt Range -5° to +25° Swivel Range No Height Adjustable No Pivot Rotation No Pivot Rotation No Base shipsdetached Funironmental Temperature-Non- 20° to 60° C (-4° to 140° F)				
Packaged58,8 x 13,2 x 44,7 cm, (2,15 x 5.2 x 17.6 in.)Base area (foot print)32,85 x 16 cm, (9.4 x 6.3 in.)Base area (foot print)3,8 kg 7.48 kb.)Head Only3,8 kg 7.48 kb.)Unpacked4kg (8.8 kb.)Packaged5,5 kg (12.1 kb.)Filt RangeNoSwivel RangeNoHeight AdjustableNoPivot RotationNoBasesips detachedBasesips detachedFingerature - None5° to 425° to			-	
 Base area (foot print) Weight Head Only Jakg (7.48 lb.) Head Only Jakg (7.48 lb.) Horaced Hogedee Foot area (foot print) Swivel Range No Height Adjustable No Height Adjustable No Height Adjustable Base Ships detached Hoight Adjustable Base Ships detached Height Adjustable Base Ships detached Height Adjustable Height Adj			-	
WeightHead Only3,3 kg (7.48 lb.)Unpacked4 kg (8.8 lb.)Packaged5,5 kg (12.1 lb.)Tilt Range-5° to +25°Swivel RangeNoHeight AdjustableNoPivot RotationNoBaseships detachedTemperature - Operation5° to 35° C (41° to 95° F)Temperature - Non20° to 60° C (-4° to 140° F)			· · · · · · · · · · · · · · · · · · ·	
Unpacked4 kg (8.8 lb.)Packaged5,5 kg (12.1 lb.)Tilt Range-5° to +25°Swivel RangeNoHeight AdjustableNoPivot RotationNoBaseships detachedFumperature - Operating5° to 35° C (41° to 95° F)Temperature - Non20° to 60° C (-4° to 140° F)			Base area (footprint)	23,85 x 16 cm , (9.4 x 6.3 in.)
Packaged 5,5 kg (12.1 lb.) Tilt Range -5° to +25° Swivel Range No Height Adjustable No Pivot Rotation No Base ships detached Temperature - Operating 5° to 35° C (41° to 95° F) Temperature - Non- -20° to 60° C (-4° to 140° F)		Weight	Head Only	3,3 kg (7.48 lb.)
Tilt Range -5° to +25° Swivel Range No Height Adjustable No Pivot Rotation No Base ships detached Environmental Temperature - Operating 5° to 35° C (41° to 95° F) Temperature - Non- -20° to 60° C (-4° to 140° F)			Unpacked	4 kg (8.8 lb.)
Swivel Range No Height Adjustable No Pivot Rotation No Base ships detached Environmental Temperature - Operating Temperature - Non- -20° to 60° C (-4° to 140° F)			Packaged	5,5 kg (12.1 lb.)
Height Adjustable No Pivot Rotation No Base ships detached Environmental Temperature - Operating 5° to 35° C (41° to 95° F) Temperature - Non- -20° to 60° C (-4° to 140° F)		Tilt Range	-5° to +25°	
Pivot RotationNoBaseships detachedEnvironmentalTemperature - Operating5° to 35° C (41° to 95° F)Temperature - Non20° to 60° C (-4° to 140° F)		Swivel Range	No	
Baseships detachedEnvironmentalTemperature - Operating5° to 35° C (41° to 95° F)Temperature - Non20° to 60° C (-4° to 140° F)		Height Adjustable	No	
EnvironmentalTemperature - Operating5° to 35° C (41° to 95° F)Temperature - Non20° to 60° C (-4° to 140° F)		Pivot Rotation	No	
Temperature - Non20° to 60° C (-4° to 140° F)		Base	ships detached	
•	Environmental	Temperature - Operating	5° to 35° C (41° to 95° F)	
		-	-20° to 60° C (-4° to 140° F)	



	Humidity - Operating	20% to 80% non-conder	nsina	
		ng 5% to 95%, 60° C max w	-	
	Altitude - Operating	+0 to 5,000 m (16,404 f		
	Altitude - Non-operating			
	White LED Backlights	Yes		
	CCFL Panel	No		
	Arsenic-Free Display	Yes		
	Glass ⁴			
	Low Halogen ⁵	Yes (everything except e	external cables)	
	Mercury Free Display Backlighting	Yes		
Environmental Data	Eco-Label Certifications & declarations	-	or is in the process of being c eled with one or more of thes	_
	Energy Consumption (in accordance with US		HP registers commercial des net for registration status in y nt Program (FEMP)	• •
	ENERGY STAR® test			
	method)	115VAC, 60Hz	230VAC, 50Hz	100VAC, 60Hz
	Normal Operation	17 W	17.4 W	NA
	Sleep Off	0.35 W	0.44 W	NA
	UII	0.17 W	0.23 W	NA
	Heat Dissipation*	115VAC, 60Hz	230VAC, 50Hz	100VAC, 60Hz
	Normal Operation	58.14 BTU/hr	59.508 BTU/hr	NA
	Sleep	1.197 BTU/hr	1.5048 BTU/hr	NA
	Off	0.5814 BTU/hr	0.7866 BTU/hr	NA
		* Heat dissipation is calcul service level is attained for	ated based on the measured r one hour.	watts, assuming the
	Additional Information	 Substances (RoHS) This HP product is d Electronic Equipmen This product is in co California; Safe Drin Plastics parts weigh ISO 11469 and ISO1 This product contain 	Impliance with the Restriction directive - 2002/95/EC. lesigned to comply with the V nt (WEEE) Directive - 2002/90 Impliance with California Pro liking Water and Toxic Enforce hing over 25 grams used in th 043. ns 14.3 % post-consumer rec % recycle-able when proper	Vaste Electrical and 6/EC. position 65 (State of ement Act of 1986). Ie product are marked per cycled plastic (by wt.)



Packaging Materials Internal: Paper/Corrugated 996 g PLASTIC/EPS (Expanded 572 g Polystyrene) Polystyrene) PLASTIC/EPS (Expanded 18 g Polystyrene) Polystyrene) Polystyrene) Polystyrene Polystyrene) Polystyrene) Polystyrene Note Polystyrene) Polystyrene Polystyrene) Polystyrene) Polystyrene Note Polystyrene) Polystyrene Note Polystyrene) Polystyrene Note Polystyrene) Polystyrene Note Note Polystyrene) Polystyrene Note Note Polystyrene) Polystyrene Note Note Polystyrene) Polystyrene Note Note Polystyrene) Polystyrene Polystyrene Note Polystyrene) Polystyrene Note Polystyrene Polystyrene Polystyrene Polystyrene Polystyrene Polystyrene Polystyrene Polystyrene Polystyrene Polystyrene Polystyrene	Technical Specifications			
Polystyrene) PLASTIC/EPE-Expanded 18 g Polystylyene Newsteine Hewlett-Packard is committed to compliance with all applicable environmental laws and regulations, including the European Union Restriction of Hazardous Substances (RoHS) Directive. PHS 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, except where it is widely recognized that there is no technically feasible alternative (as indicated by an exemption under the EU 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/Iniof/globalcitizenship/environment/supplychain/gen_specifications.html): Absestos Certain Azo Colorants Cadmium Chlorinated Hydrocarbons Chlorinated Hydrocarbons Elad and Lead compounds 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 Biphenyl Chides (PBBs)	Packaging Materials	Internal :	Paper/Corrugated	996 g
Polyethylene 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 + of 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 Roc Olorants • 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 pinenyl Methanes • Lead and Lead compounds • Polybrominated Biphenyl Ethers (PBBS) • Polybrominated Biphenyl (PGB) • Polybrominated Biphenyl (PGB) • Polybrominated Biphenyl (PGB) • Polybrominated Biphenyl (PGB) • Polybrominated Biphenyl (PGB) • Polybrominated Biphenyl (PGB)			•	572 g
Iaws 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 UsageThis 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):AsbestosCertain Azo ColorantsCertain Rominated Plame Retardants - may not be used as flame retardants in plasticsCalmimChlorinated PydrocarbonsFormidehydeHalogenated Diphenyl MethanesLead and Lead compoundsMercuric Oxide BatteriesNickel - finishes must not be used on the external surface designed to be frequently handled or carried by the user.Ozone Depleting SubstancesPolybrominated Biphenyl Dixides (PBBS)Polybrominated Biphenyl Dixides (PBBS)Polybrominated Biphenyl Dixides (PBBS)Polybrominated Biphenyl (PCB)Polybrominated Biphenyl CirclePolybrominated Biphenyl CirclePolybrominated Biphenyl Finely FinPolybrominated Biphenyl Finely Fin			•	18 g
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 Roominated Flame Retardants - may not be used as flame retardants in plastics Cadmium Chlorinated Hydrocarbons Chlorinated Hydrocarbons Chlorinated Hydrocarbons Chlorinated Hydrocarbons Chlorinated Hydrocarbons Lead carbonates and sulfates Lead carbonates and sulfates Lead carbonates and sulfates Lead carbonates and sulfates Nickel – finishes must not be used on the external surface designed to be frequently handled or carried by the user. Ozone Depleting Substances Polybrominated Biphenyl Citers (PBBEs) Polybrominated Biphenyl Oxides (PBBos) Polychlorinated Terphenyls (PCT) Polychlorinated Biphenyl CPC) - except for wires and cables, and certain retail packaging has been voluntarily removed from most applications. Radioactive Substances Tributyl Tin (TET), Tributyl Tin Oxide (TBTO) 	RoHS Compliance	laws and regulations, Substances (RoHS) Di meeting the requirem 2006, RoHS substance legal limits) for all HP where it is widely reco	including the European Union F rective. HP's goal is to exceed o ents of the RoHS Directive on a es will be virtually eliminated (v electronic products subject to ognized that there is no technic	Restriction of Hazardous ompliance obligations by worldwide basis. By July 1, virtually = to levels below the RoHS Directive, except ally feasible alternative (as
 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 Biphenyl Oxides (PBBs) Polybrominated Biphenyl Oxides (PBBcs) Polybrominated Biphenyl Oxides (PBBos) Polychlorinated Biphenyl Oxides (PBBos) Polychlorinated Biphenyl PCT) Polychlorinated Biphenyl 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) HP follows these guidelines to decrease the environmental impact of product 	Material Usage	regulatory limits (refer to the HP General Specification for the Environme http://www.hp.com/hpinfo/globalcitizenship/environment/supplychain/		on for the Environment at:
packaging:	Packaging	 Certain Azo Col Certain Bromin retardants in p Cadmium Chlorinated Hy Chlorinated Pai Formaldehyde Halogenated D Lead carbonate Lead and Lead Mercuric Oxide Nickel – finishe frequently han Ozone Depletir Polybrominate Polybrominate Polybrominate Polychlorinate Polychlorinate Polychlorinate Polyvinyl Chlor packaging has Radioactive Su Tributyl Tin (TE 	ated Flame Retardants - may n lastics drocarbons raffins iphenyl Methanes es and sulfates compounds Batteries s must not be used on the exte dled or carried by the user. og Substances d Biphenyls (PBBs) d Biphenyl Ethers (PBBEs) d Biphenyl Oxides (PBBOs) d Biphenyl Oxides (PBBOs) d Biphenyl (PCB) d Terphenyls (PCT) ide (PVC) - except for wires and been voluntarily removed from bstances	rnal surface designed to be I cables, and certain retail most applications. I Tin Oxide (TBTO)
 Eliminate the use of heavy metals such as lead, chromium, mercury and cadmium in packaging materials. 		packaging: • Eliminate the u	se of heavy metals such as lead	
 Eliminate the use of ozone-depleting substances (ODS) in packaging materials. Design packaging materials for ease of disassembly. 		 Eliminate the u materials. 	se of ozone-depleting substan	

• Design packaging materials for ease of disassembly.



Technical Specifications 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 Hewlett-Packard offers end-of-life HP product return and recycling programs in and Recycling 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** For more information about HP's commitment to the environment: Corporate **Global Citizenship Report** Environmental http://www.hp.com/hpinfo/globalcitizenship/gcreport/index.html Information **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 Adjustable Dual** Premium space-saving dual screen solution provides access to more monitor (sold separately) **Display Stand—Part** real estate and makes it possible to manage multiple applications simultaneously. Weight adjustable for dual monitors from 17-24". Rotate Number AW664AA displays into portrait/landscape positions. **HP LCD Monitor Quick** An easy-to-use, VESA-compliant, LCD monitor mounting solution that allows Release—Part number you to guickly and securely attach an LCD monitor to a variety of stands. brackets, arms or wall mounts. For more information, refer to this product's EM870AA¹ QuickSpecs document. **HP USB Graphics** Enables connection of up to six simultaneous displays to help you boost productivity and multi-task across several open applications. Use one Adapter Adapter—Part number to bridge between a notebook or desktop PC and second monitor or use **NL571AA** multiple Adapters to connect several displays to each other. **HP Business PC Security** 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 Lock Kit—Part number devices to protect them against unauthorized removal by physically **PV606AA** connecting the system to an anchor point.



	-	Powered directly by the connected PC, the Speaker Bar seamlessly attaches to
	number NQ576AA	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 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 8000 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 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.
What's in the box?	Monitor and Accessories	HP ProDisplay P221 21.5-inch LED Backlit Monitor, VGA cable, DVI cable and AC Power cable.
	Documentation	Printed documentation and CD
	Featured Software	Yes – HP Display Assistant
Other	User Guide Languages	Arabic, Bahasa Idonesia, Chinese-S, Chinese-T, Czech, Danish, Dutch, English, Finnish, French (European), German, Greek, Hungarian, Italian, Japanese, Kazakh, Korean, Norwegian, Polish, Portuguese (Brazilian), Russian, Slovenian, Spanish (International), Swedish, Turkish.
	Warranty Languages	Arabic, Bahasa Idonesia, Chinese-S, Chinese-T, Czech, Danish, Dutch, English, Finnish, French (European), German, Greek, Hungarian, Italian, Japanese, Kazakh, Korean, Norwegian, Polish, Portuguese (Brazilian), Russian, Slovenian, Spanish (International), Swedish, Turkish.
	Color	Black
	VESA External Mounting	Yes (one set of standard 4-hole pattern, 100 mm).
	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	Compatible with platforms using the VESA standard video modes. Recommended for use with HP products.	
Service and Warranty	Protected by HP, including a 3 year standard limited warranty. Select HP Care Pack Services ² to extend service contracts beyond the standard warranties.	



Technical Specifications

© Copyright 2012, 2013 Hewlett-Packard Development Company, L.P.

ENERGY STAR® is a US registered mark of the United States Environmental Protection Agency.

¹The 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 Service levels and response times for HP Care Pack Services may vary depending on your geographic location. Service starts from date of hardware purchase. Restrictions and limitations apply. HP Care Pack Services extend service contracts beyond the standard warranties. To choose the right level of service for your HP product, use the HP Care Pack Services Lookup Tool at

www.hp.com/go/lookuptool. Additional HP Care Pack Services information by product is available at 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.

⁵External 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.

