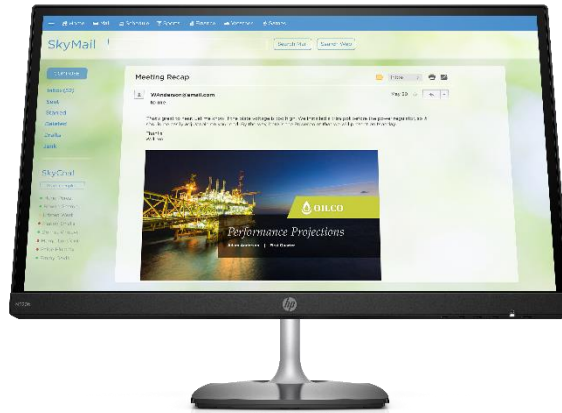
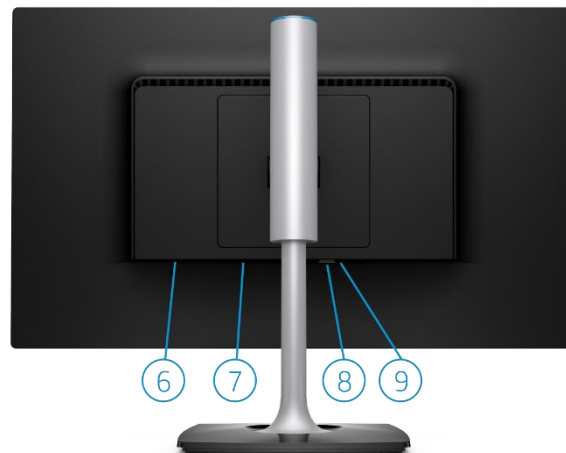


Overview

HP N220h 21.5-inch Monitor



- 1. Menu/OK
- 2. Minus (“-“)
- 3. Plus (“+“)
- 4. Exit/Back
- 5. Power



- 6. Security lock slot
- 7. Power connector
- 8. HDMI
- 9. VGA

Technical Specifications

Models: 4JF58A*

Panel	Type	21.5-inch IPS with LED backlight
	Viewable Image Area (diagonal)	54.61 cm (21.5 in) widescreen; diagonally measured
	Panel Active Area (W × H)	476.064 x 267.786 mm (18.74 x 10.54 in)
	Resolution	1920 x 1080 @ 60 Hz (Full HD)
	Aspect Ratio	16:9
	Viewing Angle*	Up to 178° horizontal/178° vertical typical
	Brightness*	250 cd/m ²
	Contrast Ratio*	1000:1 Static (Typical); 5,000,000:1 Dynamic (DCR)
	Response Times*	5 ms gray to gray
	Pixel Pitch*	0.24795 mm x 0.24795 mm
	Pixels Per Inch (PPI)*	102.4
	Backlight Lamp Life* (to half brightness)	30,000 hours minimum
	Color Production*	Can display up to 16.7 million colors with the use of FRC technology
	Color Gamut* (Typical)	72% (NTSC)
	Default Color Temperature	Neutral (6500)
	Low Blue Light Modes	Yes

* Performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.

User Controls	Buttons or Switches	Menu/OK, Plus ("+") /Up/Next Active Input, Minus ("-") / Down/Viewing Models Menu, Exit/Back/Information, Power
	User-Assignable Function Buttons	Yes, 10
	On Screen Display (OSD) User Controls	Brightness, Contrast, Color Control, Input Control, Image Control, Power Control, Menu Control, Management, Language, Information, Exit
	Audio Controls	N/A
	Languages	10 (English, Spanish, German, French, Italian, Dutch, Portuguese, Japanese, T-Chinese and S-Chinese)
Signal Interface/ Performance	Horizontal Frequency	30–80 kHz
	Vertical Frequency	50–60 Hz
	Native Resolution	1920 x 1080 @ 60 Hz
	Preset Graphic Modes (non-interlaced)	640 x 480 @ 60Hz 720 x 400 @ 70 Hz 800 x 600 @ 60 Hz 1024 x 768 @ 60 Hz 1280 x 720 @ 60 Hz 1280 x 800 @ 60 Hz

Technical Specifications

		1280 x 1024 @ 60 Hz	
		1440 x 900 @ 60 Hz	
		1600 x 900 @ 60 Hz	
		1680 x 1050 @ 60 Hz	
		1920 x 1080 @ 60 Hz	
	Maximum Pixel Clock Speed	170 MHz	
	Anti-Glare	Yes	
Video/Other Inputs	Plug and Play	Yes	
	Input Connectors	(1) VGA	
		(1) HDMI	
		HDCP support on HDMI input	
	Cables Included	(1) VGA 1,8 m (5.9 ft)	
Audio	Speakers	N/A	
Power	Power Supply	External	
	Input Power	100 - 240 VAC 50/60 Hz	
	Maximum Power	19 W	
	Typical Power	18 W	
	Sleep Power	0.5 W	
	Power Cable Length	1,9 m (6.23 ft)	
Mechanical	Dimensions (W × D × H)	Unpacked w/stand (lowest setting)	49.87 x 21.40 x 45.09 cm (19.63 x 8.43 x 17.75 in)
		Unpacked w/o stand (head only)	49.87 x 4.85 x 30.30 cm (19.63 x 1.91 x 11.93 in)
		Packaged	58.5 x 20.3 x 40.0 cm (23.03 x 7.44 x 15.74 in)
	Weight	Head Only	2.2 kg (4.9 lb)
		Unpacked	3.7 kg (8.2 lb)
		Packaged	5.5 kg (12.2 lb)
Ergonomic Features	Detachable Stand	Yes	
	Tilt Range	-5° to +23°	
	Height Adjustment	Yes	
Environmental	Temperature - Operating	5° to 35° C (41° to 95° F)	
	Temperature - Non-operating	-20° - 60° C (-4° - 140°F)	
	Humidity - Operating	20% to 80% non-condensing	
	Humidity - Non-operating	5% to 95%	
	Altitude - Operating	0 to 5,000 m (0 to 16,400 ft)	
	Altitude - Non-operating	0 to 12,192 m (0 to 40,000 ft)	
	White LED Backlights	Yes	

Technical Specifications

	CCFL Panel	No
	Arsenic-Free Display Glass	Yes
	Low Halogen¹	Yes
	Mercury-Free Display Backlights	Yes
Options (each sold separately)	HP Business PC Security Lock V2 Kit — Part number N3R93AA	Help prevent chassis tampering and secure your PC and display in workspaces and public areas. Simply route the cable through the PC's lock slot and your display, anchor to a desk, table, or other fixed surface, and lock with your individual key. A master key configuration is also available upon request.
What's in the box?	Monitor and Accessories	HP N220h 21.5-inch Monitor, Power cable 1,9 m (6.23 ft), VGA cable 1,8 m (5.9 ft)
	Documentation	On HP website
	Software	HP Display Assistant
Other	User Guide Languages	English, S. Chinese, T. Chinese, Japanese, Korean, and Bahasa Indonesian
	Warranty Languages	English, S. Chinese, T. Chinese, Japanese, Korean, and Bahasa Indonesian
	Color	Black/silver
	VESA Mounting	N/A
	Security Lock-Ready	Yes
	Country of Origin	China
Certification and Compliance	ENERGY STAR [®] 7.0, EPEAT [®] Silver ² , Microsoft WHQL Certification (Win-10, Win-8, Win-7), CEL Grade 2, CB, KCC/CCC/CEL/CECP/SEPA/Energy Star/VCCI/BSMI/Australian-New Zealand MEPS/WEEE	
Compatibility	Recommended for use with HP products.	
Service and Warranty	Protected by HP, including a 3 year standard limited warranty (may vary by region). Optional HP Care Pack Services are extended service contracts that extend your protection beyond the standard warranties. ³	

Technical Specifications

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3. Service levels and response times for HP Care Packs may vary depending on your geographic location. Service starts on date of hardware purchase. Restrictions and limitations apply. For details, visit: www.hp.com/go/cpc.

