Overview

HP N220h 21.5-inch Monitor
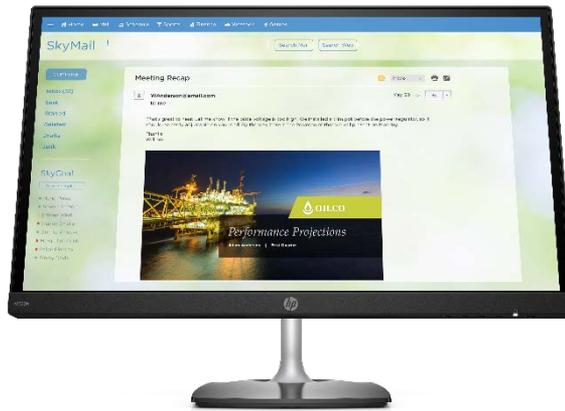
1.	Menu/OK	**3.**	Plus ("+")	**5.**	Power
2.	Minus ("-")	**4.**	Exit/Back		

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

QuickSpecs

HP N220h 21.5-inch Monitor
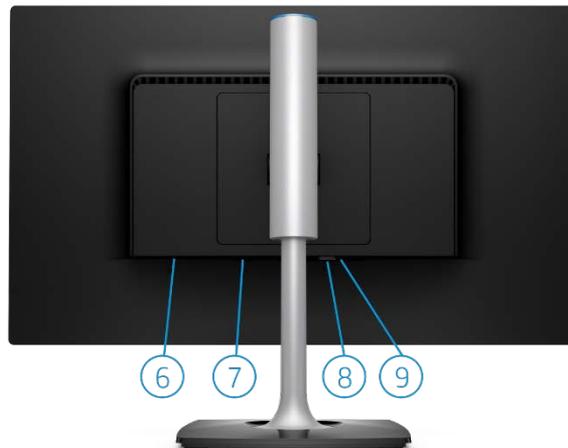
Technical Specifications

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/m²
	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

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		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	

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	CCFL Panel	No
	Arsenic-Free Display Glass	Yes
	Low Halogen¹	Yes
	Mercury-Free Display Backlights	Yes
Options (each sold separately)	**HP LCD Monitor Quick Release —** Part number EM870AA	A secure and easy-to-use mounting solution for your VESA-compliant HP thin clients, compatible HP flat panel monitors and other HP desktop products. Attach to any a compatible stand, bracket or wall mount and make the most of your workspace.
	HP Integrated Work Center 3 for Small Form Factor — Part number F2P06AA	Maximize your work space with the HP Integrated Work Center for Small Form Factors v3. Customize an "all-in-one" solution by combining an HP Small Form Factor or Workstation with an LED monitor up to 24 diagonal inches.
	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® Silver², 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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Change Log

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7/24/2018	Updated accessories