

Overview

HP N223 21.5-inch Monitor



- 1. Menu
- 2. Minus("-")
- 3. Plus("+")
- 4. OK
- 5. Power button



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

QuickSpecs

HP N223 21.5-inch Monitor

Technical Specifications

Models: 3ML60A / 3WP71A

Panel	Type	21.5-inch, TN
	Viewable Image Area (diagonal)	54,61 cm (21.5-inches) widescreen; diagonally measured
	Panel Active Area (W × H)	47,7 x 26,8 cm (18.76 x 10.55 in)
	Resolution	1920 x 1080 @ 60 Hz
	Aspect Ratio	16:9
	Viewing Angle	Up to 90° horizontal / 65° vertical typical
	Brightness*	250 cd/m ²
	Contrast Ratio*	450:1 Static (minimum); 600:1 Static (Typical); 10,000,000:1 Dynamic (DCR)
	Response Times*	5 ms
	Pixel Pitch	.248 x .248 mm
	Pixels Per Inch (PPI)	102
	Pixel Clock	170 MHz
	Backlight Lamp Life (to half brightness)	30,000 hours minimum
	Panel Bit Depth	8 bit (6-Bit + Hi FRC)
	Color Gamut (Typical)	72% (NTSC)
	Default Color Temperature	6500K
	* All 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, Minus ("-"), Plus ("+") / Input Control, Power
	User-Assignable Function Buttons	Yes, 3 (6 options)
	On Screen Display (OSD) User Controls	Brightness, Contrast, Color Control, Input Control, Image Control, Power Control, Menu Control, Management, Language, Information, Exit
	Languages	10 (English, Spanish, German, French, Italian, Netherlands, 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 @ 70Hz 800 x 600 @ 60Hz 1024 x 768 @ 60Hz 1280 x 720 @ 60Hz 1280 x 800 @ 60Hz 1280 x 1024 @ 60Hz 1440 x 900 @ 60 Hz 1600 x 900 @ 60Hz 1680 x 1050 @ 60 Hz 1920 x 1080 @ 60Hz
Video/Other Inputs	Anti-Glare	Yes
	Plug and Play	Yes
	Input Connectors	(1) VGA, (1) HDMI (HDCP support)
	Video Cables Included	(1) VGA cable 1,5 m (4.9 ft)



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Power	Power Supply	Internal
	Input Power	100 - 240 VAC 50/60 Hz
	Maximum Power	20 W
	Typical Power	18 W
	Sleep Power	0.5 W
	Power Cable Length	1,9 m (6.23 ft)
Dimensions (W × D × H)	Unpacked with stand	50.40 X 20.12 X 38.3 cm (19.84 X 7.92 X 15.08 in)
	Unpacked without stand (head only)	50.40 X 4.90 X 31.05 cm (19.84 X 1.93 X 12.22 in)
	Packaged	56.30 X 11.90 X 44.70 cm (22.16 X 4.69 X 17.60 in)
Weight	Head Only	2.46 kg (5.42 lb)
	Unpacked with stand	2.60 kg (5.73 lb)
	Packaged	3.70 kg (8.16 lb)
Ergonomic Features	Detachable Stand	Yes, ships detached
Not available on head only model	Height Adjustment	N/A
	Tilt Range	-5° to + 15° vertical
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%
	Altitude - Operating	0 to 5000 m (0 to 16,400 ft)
	Altitude - Non-operating	0 to 12,192 m (0 to 40,000 ft)
	White LED Backlights	Yes
	Arsenic-Free Display Glass	Yes
	Mercury-Free Display Backlighting	Yes
Options	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.
What's in the box?	Monitor and Accessories	HP N223 21.5-inch Monitor AC power cord 1,9 m (6.23 ft) VGA cable 1,5 m (4.9 ft)
Other	User Guide Languages	English, Arabic, S. Chinese, T. Chinese, Czech, Danish, Dutch, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Kazakh, Korean, Norwegian, Polish, Brazilian Portuguese, Russian, Slovenian, Spanish, Swedish and Turkish.
	Warranty Languages	English, Arabic, S. Chinese, T. Chinese, Czech, Danish, Dutch, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Kazakh, Korean, Norwegian, Polish,



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Color	BrazilianPortuguese, Russian, Slovenian, Spanish, Swedish and Turkish
VESA Mounting	Black
Security Lock-Ready	100 mm VESA mount
Country of Origin	Yes
	China

Certification and Compliance

CE,CB,KC/KCC/NOM/PSB/ICE/TUV-S/ISO 9241-307/EAC/UL/CSA/PSB/ISC/CCC/CEL/CECP/SEPA/Energy Star/VCCI/FCC/BSMI/Vietnam MEPS/Australian-New Zealand MEPS/WEEE

Compatibility Service and Warranty

Recommended for use with HP products.
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

1. External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.
2. HP Care Packs are optional. 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. See <http://www.hp.com/go/cpc> for details.

Technical Specifications

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