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HP Compaq LA2306x 23-inch WLED Backlit LCD Monitor Product Specifications

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Product description



HP Compaq LA2306x 23-inch WLED Backlit LCD Monitor has digital input with HDCP supports encrypted data content, built-in self-powered USB 2.0 hub enables quick and easy peripheral connections, having a very high 1000:1 contrast ratio.

Product features



Feature	Specification
Type	<ul style="list-style-type: none">• TN (Twisted Nematic) WLED backlit LCD
Viewable image area (diagonal)	<ul style="list-style-type: none">• 58.42 cm (23 in) widescreen; diagonally measured
Screen opening (W x H)	<ul style="list-style-type: none">• 50.92 x 28.64 cm (20.05 x 11.28 in)
Aspect ratio	<ul style="list-style-type: none">• 16:9
Viewing angle (typical)	<ul style="list-style-type: none">• Up to 170° horizontal/160° vertical (10:1 minimum contrast ratio)
Brightness (typical) ¹	<ul style="list-style-type: none">• 250 cd/m² (nits)
Contrast ratio (typical) ¹	<ul style="list-style-type: none">• 1000:1
Dynamic contrast ratio (typical) ¹	<ul style="list-style-type: none">• 1,000,000:1
Response time (typical) ¹	<ul style="list-style-type: none">• 5 ms (On/Off)
Pixel pitch	<ul style="list-style-type: none">• 0.265 mm
Backlight lamp life (to half brightness)	<ul style="list-style-type: none">• 30,000 hours minimum



Feature	Specification
Color gamut (typical)	<ul style="list-style-type: none"> • 68%
Plug and play	<ul style="list-style-type: none"> • Yes
Input connectors	<ul style="list-style-type: none"> • VGA (analog) • DVI-D and DisplayPort w/HDCP • USB
Input impedance	<ul style="list-style-type: none"> • 75 Ohms (VGA)
Sync input	<ul style="list-style-type: none"> • TTL separate synch
Video/Other cables	<ul style="list-style-type: none"> • (1) DVI-D cable • (1) VGA cable • (1) USB cable
Cable lengths	<ul style="list-style-type: none"> • 1.8 m (5.9 ft)

NOTE: 1: All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.

Panel specifications

Feature	Specification
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Feature	Specification
Type	<ul style="list-style-type: none">• TN (Twisted Nematic) WLED backlit LCD
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Color gamut (typical)	<ul style="list-style-type: none"> • 68%
<p>NOTE: 1: All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.</p>	

On Screen Display (OSD) controls

Feature	Specification
Buttons or switches	<ul style="list-style-type: none"> • Menu • , • - • + • OK • Power
Languages	<ul style="list-style-type: none"> • English • French • German • Italian • Dutch • Spanish • Japanese • Portuguese • Traditional Chinese • Simplified Chinese



Feature	Specification
User controls	<ul style="list-style-type: none"> • Brightness • Contrast • Positioning • Color temperature (warm, standard, cool, custom) • Image control (clock, clock phase, scaling, sharpness, DCR) • Monitor management • Source control • Information and factory reset

Signal interface/performance

Feature	Specification
Horizontal frequency	<ul style="list-style-type: none"> • 24 to 94 kHz
Vertical frequency	<ul style="list-style-type: none"> • 50 to 76 Hz
Native resolution	<ul style="list-style-type: none"> • 1920 x 1080 @ 60 Hz
Preset VESA graphic modes (non-interlaced)	<ul style="list-style-type: none"> • 1920 x 1080 @ 60 Hz • 1680 x 1050 @ 60 Hz • 1440 x 900 @ 60 Hz • 1280 x 1024 @ 60 Hz • 1280 x 720 @ 60 Hz • 1024 x 768 @ 60 Hz • 800 x 600 @ 60 Hz • 720 x 400 @ 70 Hz • 640 x 480 @ 60 Hz



Feature	Specification
Text mode	<ul style="list-style-type: none"> • 720 x 400 @ 70 Hz
Maximum pixel clock speed	<ul style="list-style-type: none"> • 200 MHz (VGA) • 165 MHz (DVI and DisplayPort)
User programmable modes	<ul style="list-style-type: none"> • Yes (10)
Anti-Glare	<ul style="list-style-type: none"> • Yes
Default color temperature	<ul style="list-style-type: none"> • Warm (6500K)

Electrical specifications

Feature	Specification
Input power	<ul style="list-style-type: none"> • 100 to 240 V ac, 50/60 Hz
Typical power consumption	<ul style="list-style-type: none"> • 33 W
Maximum	<ul style="list-style-type: none"> • 41.5 W
Power saving	<ul style="list-style-type: none"> • < 0.5 W standby; < 0.5 W off



Feature	Specification
Power cable length	<ul style="list-style-type: none"> 1.9 m (6.2 ft)

Video/Other inputs

Feature	Specification
Plug and play	<ul style="list-style-type: none"> Yes
Input connectors	<ul style="list-style-type: none"> VGA (analog) DVI-D and DisplayPort w/HDCP USB
Input impedance	<ul style="list-style-type: none"> 75 Ohms (VGA)
Sync input	<ul style="list-style-type: none"> TTL separate synch
Video/Other cables	<ul style="list-style-type: none"> (1) DVI-D cable (1) VGA cable (1) USB cable
Cable lengths	<ul style="list-style-type: none"> 1.8 m (5.9 ft)

Certification and compliance

Feature	Specification
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Feature	Specification
Certification and compliance	<ul style="list-style-type: none"> • TCO 5.0 • VCCI • KC • CECP • FCC • CE • BSMI • ISC • C-Tick • Gost • E-Standy • RoHS • WEEE • ETL • CCC • Energy Star 5.0 • NOM • KCC • BSMI • TUV • Microsoft WHQL • China Energy Label Grade 1 • EPEAT Gold 3

Physical specifications

Feature	Specification
Dimensions (W x D x H)	<ul style="list-style-type: none"> • Unpacked w/stand: 55.15 x 24.94 x 35.1 to 46.7 cm (21.71 x 9.82 x 13.82 to 18.39 in) • Unpacked w/o stand (head only): 55.51 x 4.95 x 33.42 cm (21.69 x 1.95 x 13.16 in) • Packaged: 62.4 x 50.2 x 16.9 cm (24.57 x 19.76 x 6.65 in)



Feature	Specification
Weight	<ul style="list-style-type: none"> • Head only: 4.1 kg (9.0 lb) • Unpacked: 6.8 kg (15.0 lb) • Packaged: 9.2 kg (20.3 lb)
Tilt range	<ul style="list-style-type: none"> • -5° to +30°
Swivel range	<ul style="list-style-type: none"> • Yes (+/- 360°)
Height adjustable	<ul style="list-style-type: none"> • Yes - from 0 to 13.0 cm (0 to 5.1 in)
Pivot rotation	<ul style="list-style-type: none"> • Yes
Base	<ul style="list-style-type: none"> • Detachable, ships attached

Environmental specifications

Feature	Specification
Temperature	<ul style="list-style-type: none"> • Operating: 5° to 35°C (41° to 95°F) • Non-operating: -20° to 60°C (-4° to 140°F)
Humidity	<ul style="list-style-type: none"> • Operating: 20% to 80% non-condensing • Non-operating: 5% to 95%, 38.7°C max wet-bulb



Feature	Specification
Altitude	<ul style="list-style-type: none">• Operating: 0 to 5000 m (16,400 ft)• Non-operating: 0 to 12192 m (40,000 ft)
White LED backlights	<ul style="list-style-type: none">• Yes
CCFL panel	<ul style="list-style-type: none">• No
Arsenic-free glass (100% free)	<ul style="list-style-type: none">• Yes
BFR/PVC free	<ul style="list-style-type: none">• Plastics and finishes or paint
Mercury free	<ul style="list-style-type: none">• Yes

Warranty information

Terms of warranty apply to the individual model purchased. To see if your HP product is still in warranty, go to the [HP Product Warranty Check page](#).

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