HP 22x Gaming Display

A faster way to see the action. Display your gaming skills. A fast, vibrant display with gaming essentials.

The HP 22x Display has all the essentials for faster action. Enjoy smooth, stutter-free visuals that respond as fast as you do - thanks to a 144Hz refresh rate[1] and AMD® FreeSync™[2] technology. At 54.61 cm (21.5"), this Full HD[3] screen with built-in speakers brings your entertainment up a notch.

144Hz

The speed you need
Ensure even the most action-packed moments are smooth, crisp, and free of motion blur with a 144Hz refresh rate and 1ms response time[1].

Smooth, sharp visuals
Experience the difference of fluid, stutter-free gameplay on this crystal clear FHD[3] (1920 x 1080) display with AMD® FreeSync™[2] technology.

Integrated audio
No need to buy external speakers – high-quality sound is built-right-in, with integrated speakers that deliver amazing audio.

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Featuring

1ms response time with Overdrive
How fast your pixels can react to changing frames is critical for fast-paced gaming, and a 1ms response time ensures even the most action-packed moments are fluid, crisp, and free of motion blur.

Integrated speakers
No need to buy external speakers for great audio. With integrated speakers this display is ready to go once you're connected.

AMD® FreeSync™ technology
See and feel the difference of fluid, responsive gameplay. By synchronizing the refresh rate with your GPU, AMD® FreeSync™* makes display stutter, input lag, and screen tears ancient history.

TN panel
Enjoy the latest action movie or high-octane video game with the low pixel latency and snappy response times of this TN panel.

144Hz refresh rate
Get smooth gaming, sharper objects, and cleaner details with a gaming display that refreshes frames 144 times a second – over twice the refresh rate of standard displays.[1]

An easier way to HD
With both VGA and HDMI ports this display is ready to connect for brilliant HD visuals over a smooth digital connection.[4]

Full HD display / 1080p display
Brilliant visuals and unforgettable quality from a stunning FHD display.[3]

Low blue light
Using the Low blue light mode subtly shifts your display's colors to a warmer spectrum, while making whites more natural and putting less strain on your eyes.

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Display size	54.6 cm (21.5")
Aspect ratio	16:9 [1]
Display type	TN
Pixel pitch	0.247 mm
Response time	1 ms (with overdrive)
Brightness	270 nits [1]
Contrast ratio	1000:1 [1]
Product color	Black
Recommended resolution	FHD (1920 x 1080 @ 60 Hz)
Resolution (maximum)	FHD (1920 x 1080 @ 144 Hz)
Resolutions supported	1024 x 768; 1280 x 1024; 1280 x 720; 1280 x 800; 1440 x 900; 1600 x 900; 1680 x 1050; 1920 x 1080; 640 x 480; 720 x 400; 800 x 600
Display scan frequency (horizontal)	30-167 kHz
Display scan frequency (vertical)	48-144 Hz
Display features	Anti-glare; Language selection; LED backlights; On-screen controls; Plug and Play; AMD FreeSync™; Low blue light mode; Dual speakers (2W per channel)
Display Input Type	1 HDMI 1.4 (with HDCP support); 1 VGA
Physical security features	Security lock-ready [2]
Energy efficiency	Energy efficiency class: A; On-mode power consumption: 17 W; Annual energy consumption: 25 kWh; Power consumption (on-mode): 17 W;
Display User Control Options	Audio control; Brightness; Color control; Image control; Information; Language; Management; Menu; Power
Webcam	No integrated camera
Product dimensions	50.3 x 30.42 x 5.6 cm Without stand. 50.3 x 38.44 x 20.94 cm With stand Packed: 57.1 x 13.6 x 38.9 cm
Weight	3.9 kg; Packed: 5.2 kg
Operating temperature range	5 to 35°C
Operating temperature range	41 to 95°F
Operating humidity range	20 to 80% non-condensing
Certifications and compliances	Australian-New Zealand MEPS; BIS; BSMI; CB; CCC; CE; CEL; C-Tick; cTUVus; EAC; E-standby; EUP Lot-6; FCC; ICES; ISO 9241-307; KC; KCC; PSB; TUV Bauart; VCCI; Vietnam MEPS; WEEE; ISC; Low blue light; UkrSEPRO; South Africa MEPS; Ukraine Energy label
Power supply	Input voltage 100 to 240 VAC
Warranty	1 year parts and labour limited warranty.
What's in the box	AC power cord; HDMI cable; Warranty card; Monitor
VESA mount	100 mm x 100 mm (bracket included)
Product number	6ML40AA
Ordering info	193808538124
Touch-enabled	Not touch-enabled
Pixels per inch (ppi)	102 ppi
Panel bit depth	6 bit
Vertical viewing angle	160°
Horizontal viewing angle	170°
Bezel	3-sided micro-edge
Swivel	No swivel
Tilt	-5 to +20°
Pivot	No pivot
Height adjustment range	No height adjust
Screen treatment	Anti-glare
Touch-enabled	Not touch-enabled
Integrated privacy filter	No
Flicker-free	Yes
Low blue light modes	Yes (TÜV certified)

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Messaging Footnotes

[1] All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.
[2] FreeSync™ is only available when it is connected on DisplayPort or HDMI port. FreeSync is an AMD® technology enabled on FHD or QHD displays and is designed to eliminate stuttering and/or tearing in games and videos by locking a display's refresh rate to the frame rate of the graphics card. Monitor, AMD® Radeon™ Graphics and/or AMD® A-Series APU compliant with DisplayPort™ Adaptive-Sync required. AMD® Catalyst™ 15.2 Beta (or newer) required. Adaptive refresh rates vary by display.
[3] Full high-definition (FHD) content required to view FHD images.
[4] High definition (HD) content is required to view high-definition images.

Technical Specifications Footnotes

[1] All specifications represent the typical specifications provided by HP's component manufacturers, actual performance may vary either higher or lower.
[2] Lock is sold separately.
[3] Only with HDMI.