Datasheet

HP 27mx Display

Display your gaming skills

This 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, while the Full HD[3] screen delivers all your entertainment with vivid colors and crisp clarity.



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 1 ms response time[1].

Incredibly smooth

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

Get comfortable

Enjoy 100mm of smooth, precise height adjustment so your display is always in the most comfortable position.

[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 is 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 is required to view FHD images.

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Featuring

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.

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.

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.

Micro-edge display
With virtually no bezel encircling the display, an ultra-wide viewing experience provides for seamless multi-monitor set-ups.

FHD display / 1080p display
Be prepared for brilliant visuals and crisp images with the unforgettable quality of this stunning FHD display.

Height adjustment stand
Easily adjust your display to the most comfortable position with 100mm range of travel.

TN panel
Low pixel latency and snappy response times with this TN panel.

Ambient lighting
Diffused lighting to help reduce eye fatigue during late-night gaming sessions.

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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[5] FreeSync™ is only available when it is connected on DisplayPort or HDMI. FreeSync is an AMD® technology is 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. AMD Radeon Graphics and/or AMD A-Series APU-compliant monitors with DisplayPort/HDMI Adaptive-Sync required. AMD 15.11 Crimson driver (or newer) required to support FreeSync over HDMI. Adaptive refresh rates vary by monitor. More information is available at www.amd.com/freesync.

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Display size	68.6 cm (27")
Aspect ratio	16:9 [1]
Display type	TN with LED backlight
Pixel pitch	0.311 mm
Response time	1 ms gray to gray [1,4]
Brightness	400 cd/m² [1]
Contrast ratio	1000:1 static; 12000000:1 dynamic [1]
Viewing angle	160° vertical; 170° horizontal
Product color	Black
Resolution	FHD (1920 x 1080 @ 60 Hz)
Resolutions supported	800 x 600; 720 x 400; 640 x 480; 1920 x 1080; 1680 x 1050; 1440 x 900; 1280 x 800; 1280 x 720; 1280 x 1024; 1152 x 864; 1024 x 768
Display scan frequency (vertical)	Up to 144 Hz
Display features	Anti-glare; Language selection; LED backlights; On-screen controls; Pivot rotation; Plug and Play; User programmable; AMD FreeSync™
Display Input Type	1 DisplayPort™ 1.2 in (with HDCP support); 1 HDMI 2.0 (with HDCP support)
Physical security features	Security lock-ready [3]
Display moving angle	Pivot rotation: 90°; Swivel: ±360°; Tilt: -4 to +20°
Environmental specifications	Arsenic-free display glass; Mercury-free display backlights [2]
Energy efficiency	Energy efficiency class: A; On-mode power consumption: 28 W; Annual energy consumption: 41 kWh; Standby: 0.37 W; Power consumption (on-mode): 28 W; Power consumption (off-mode): 0.19 W
Display User Control Options	Brightness; Color control; Contrast; Exit; Image control; Information; Input control; Language; Management; Menu control; Power control
External I/O ports	1 headphone-out
Product dimensions	61.36 x 5.56 x 37.86 cm Head only. 61.36 x 21.64 x 51.02 cm With stand Packed: 70.2 x 19 x 46.3 cm
Weight	6.78 kg; Packed: 8.08 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; BSMI; CB; CCC; CE; CEL; CSA; EAC; FCC; ICES; ISO 9241-307; KC/KCC; Microsoft WHQL Certification (Windows 10, Windows 8 and Windows 7); NOM; PSB; TUV-S; UL; VCCI; Vietnam MEPS; WEEE; ISC; Low blue light; China Energy Label (CEL) Grade 2 or 3
Power supply	Input voltage 100 to 240 VAC
Warranty	2 year parts and labour limited warranty.
What's in the box	AC power cord; Documentation; HDMI cable
VESA mount	100 x 100 mm VESA mount compatible
Country of origin	Made in China
Product number	4KK74AA
Ordering info	4KK74AA#ABB:193808257285; 4KK74AA#A2N:193808257360; 4KK74AA#ABT:193808257322; 4KK74AA#ABU:193808257292; 4KK74AA#ABV:193808257346; 4KK74AA#ABY:193808257315; 4KK74AA#ACQ:193808257339; 4KK74AA#UUG:193808257353; 4KK74AA#UUZ:193808257308

[1] All specifications represent the typical specifications provided by HP's component manufacturers, actual performance may vary either higher or lower.
[2] External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.
[3] Lock is sold separately.
[4] 1 ms gray to gray with overdrive.

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