ProductSheet
HP Z32k G3 4K USB-C Display (50U19AA)

The Power to Make it Real

See ultimate potential before it's real with the ultra-powerful and stunningly precise, HP Z32k G3 4K UBS-C Display. Powered by the uncompromising capabilities of Thunderbolt™ 4, experience anything from CAD drawings to product renders in tangible, lifelike detail with IPS Black technology and 4K resolution.

Color that Rivals Reality
View every detail as if it's true-to-life with captivating color contrast on this precise 4K[1], 31.5-inch diagonal display. Through the cutting-edge IPS Black panel, dive into deeper shadows and richer hues with twice the contrast of a traditional IPS panel. Combined with VESA Display HDR™ 400, wide 98% P3 color gamut, and ultimate color accuracy, what you see on screen rivals reality.

Unleash the Power of Thunderbolt™ 4
Transform your desk into a productivity powerhouse with this Thunderbolt™ 4 display[2]. Through a single cable, drive 4K resolution at 60Hz, daisy chaining support for a second 4K monitor, as well as high speed data and internet[3]—all while charging your device up to 100W—without compromising an ounce of speed.

Seamless Control
Designed with intelligent controls, this display gets you working quickly and multi-tasking efficiently. Instantly wake your display and PC with Single Power On[4]. And when you're multi-tasking between two devices, simply use the built-in KVM switch to control both with just a single keyboard and mouse.

Featuring

IPS Black Technology
View every angle of every visual with amazing depth and clarity through the stunning 2,000:1 contrast ratio—twice that of a traditional IPS panel—and ultra-wide viewing angles. [6]

4K Resolution
Get lost in the captivating definition and ultra-precise details of 4K resolution. The pixel dense 3840 x 2160 resolution expands your workspace and transforms all your content into a remarkable, lifelike experience. [1]

31.5-inch Diagonal Screen
Dive in and accomplish more on a massive 31.5-inch diagonal screen framed by a 4-sided, virtually borderless bezel.

VESA Display HDR400
Replicate reality on your screen and enjoy watching HDR media with VESA Display HDR400 for enhanced contrast, deeper shadows, and brighter highlights.

Wide Color Gamuts
When your color needs are critical, rely on 100% sRGB for ideal color reproduction and 98% P3 for deeper, lifelike hues. [6]

Specifications

Display size (diagonal)	31.5"
Panel technology	IPS Black
Display size (diagonal)	80 cm (31.5")
Aspect ratio	16:9[1]
Native resolution	4K UHD (3840 x 2160)[1,2]
Resolutions supported	640 x 480; 720 x 400; 800 x 600; 1024 x 768; 1280 x 720; 1280 x 800; 1280 x 1024; 1440 x 900; 1600 x 900; 1680 x 1050; 1920 x 1080; 1920 x 1200; 2560 x 1440; 3840 x 2160
Pixel pitch	0.18 x 0.18 mm
Brightness	400 nits[1]
Contrast ratio	2000:1[1]
Response time (typical)	5ms GtG (with overdrive)[1]
Minimum dimensions (W x D x H)	71.35 x 4.7 x 41.59 cm *(Without stand.)*
Minimum dimensions (W x D x H)	28.09 x 1.85 x 16.37 in *(Without stand.)*
Dimensions With Stand (W x D x H)	71.35 x 21.7 x 60.49 cm
Weight	9 kg *(With stand.)*
Weight	19.8 lb *(With stand.)*
Display features	On-screen controls; Single Power ON; Anti-glare; Height Adjust/Tilt/Swivel/Pivot; HP Eye Ease; IPS Black
Onscreen controls	Management; Information; Exit; Input; Color; Image; Power; Menu; Brightness+
Display colors	Up to 1.07 billion colors supported[4]
Display scan frequency (horizontal)	30-135 KHz
Display scan frequency (vertical)	29-60 Hz
Power	100 - 240 VAC 50/60 Hz
Power consumption	180 W (maximum), 35 W (typical), 0.5 W (standby)
Operating temperature range	5 to 35°C
Operating humidity range	20 to 80% RH
Sustainable impact specifications	85% ITE-derived closed loop plastic; Low Halogen; Designed with recycled metals; Ocean-bound plastic
Certifications and compliances	Argentina S-Mark; Australia MEPS; CB; CE; CEL; CEL Grade 1; China CCC; China CECP; C-Tick; cTUVus; CU; EAC; ENERGY STAR®; EUP Lot-5; EUP Lot-6; FCC; ISO 9241-307; KC (Korean) requirements; KCC (Korean) requirements; Korea e-standby; Microsoft WHQL Certification; NOM (Mexico); PSB for Singapore; RCM; SEPA eco label (China); Taiwan BSMI; TCO Certified; TCO Certified Edge; TUV Bauart; TUV/GS; VCCI; Vietnam MEPS; California Energy Commission (CEC); South Africa Energy; EUP Lot 26; Mexico Energy; UAE; Ukraine certificates; NRCS of South Africa; Belarus Energy; India BIS; Cambodia ISC; IC; NRCS
Physical security	Security lock-ready[11]
Management Software	HP Display Center; HP Display Manager
UPC number	(A2K) 196188669273; (A2N) 196188669280; (AB0) 196188669297; (AB1) 196188669303; (AB2) 196188669310; (AB4) 196188669327; (ABA) 196188669334; (ABB) 196188669341; (ABG) 196188669358; (ABJ) 4573595716527; (ABT) 196188669365; (ABU) 196188669372; (ABV) 196188669389; (ABY) 196188669396; (ACJ) 196188669402; (ACQ) 196188669419; (AKL) 196188669433; (AR6) 196188669440; (UUF) 196188669457; (UUZ) 196188669464
What's in the box	DisplayPort™ cable; HDMI cable; VESA Mount adapter; Warranty card; USB Type-A to B cable; Quick Setup Poster; AC power cord; Color calibration report; Thunderbolt™ 4 cable[10]

Top Recommended Displays, Accessories and Services

No Top Recommended Displays, Accessories and Services

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Messaging Footnotes

[1] 4K content require to view in 4K resolution.

[2] SuperSpeed USB 20Gbps is not available Thunderbolt™ 4. For full Thunderbolt™ 4 functionality, host PC must support Thunderbolt™ 4.

[3] Display supports 1 Gb ethernet speed. Host PC requires infrastructure to support 1Gb ethernet speeds.

[4] Single Power On only compatible with HP PCs with Windows 10 or higher.

[6] All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary, either higher or lower.

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] DisplayPort™ 1.4 or HDMI 2.0 required to drive panel at its native resolution. The video card of the connected PC must be capable of supporting 3840 x 2160 at 60 Hz with 10-bit color using one DisplayPort™, HDMI or USB-C® (DP alt mode). The video card of the connected PC must be capable of supporting 3840 x 2160 and include one DisplayPort™ or one HDMI outputs to drive the monitor at the Preferred Mode.

[4] Number of colors through A-FRC technology.

[10] Included cables may vary by country.

[11] Lock sold separately.