

## ASUS TUF Gaming VG28UQL1A computer monitor 71.1 cm (28") 3840 x 2160 pixels 4K Ultra HD LCD Black

**Brand :** ASUS

**Product family:** TUF Gaming

**Product code:** 90LM0780-B01170

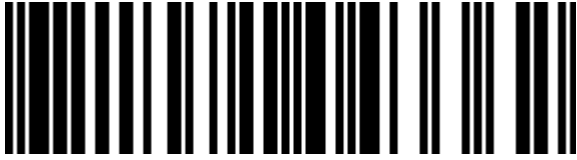
**Product name :** VG28UQL1A

- 28-inch UHD (3840 x 2160) Fast IPS gaming monitor with 144 Hz refresh rate and 1 ms (GTG) response time, designed for professional gamers
  - HDMI® 2.1 supports native 4K 120 Hz gaming without chroma subsampling (4:4:4) on PlayStation® 5 and Xbox Series X
  - ASUS Extreme Low Motion Blur Sync (ELMB Sync) technology enables ELMB and variable-refresh-rate technologies to work simultaneously to eliminate ghosting and tearing for sharp gaming visuals with high frame rates
  - NVIDIA® G-SYNC® Compatible, AMD FreeSync™ Premium, and exclusive Variable Overdrive technology ensure seamless, tear-free gaming
  - High dynamic range (HDR) technology with DisplayHDR™ 400 compliance and 90% DCI-P3 professional color gamut provide amazing color performance
- TUF Gaming VG28UQL1A HDMI 2.1 Gaming Monitor — 28-inch 4K UHD (3840 x 2160), Fast IPS, 144 Hz, 1 ms GTG, NVIDIA G-Sync compatible, AMD FreeSync™ Premium, DSC, ELMB Sync, Variable Overdrive, DisplayHDR™ 400, DCI-P3 90%



Display		Ports & interfaces	
Display diagonal *	71.1 cm (28")	DisplayPorts quantity	1
Display resolution *	3840 x 2160 pixels	DisplayPort version	1.4
HD type *	4K Ultra HD	Headphone out *	✓
Native aspect ratio *	16:9	Headphone outputs	1
Display technology *	LCD	Headphone connectivity	3.5 mm
Panel type *	IPS	DC-in jack	✓
Backlight type	LED	<b>Ergonomics</b>	
Touchscreen *	✗	VESA mounting *	✓
Display brightness (peak)	450 cd/m <sup>2</sup>	Panel mounting interface	100 x 100 mm
Display brightness (typical)	300 cd/m <sup>2</sup>	Cable lock slot *	✓
Response time *	1 ms	Cable lock slot type	Kensington
Screen shape *	Flat	Height adjustment *	✓
Contrast ratio (typical) *	1000:1	Height adjustment	12 cm
Contrast ratio (dynamic)	1000000:1	Pivot	✓
Dynamic contrast ratio marketing name	SmartContrast	Pivot angle	90 - -90°
Maximum refresh rate *	144 Hz	Swivelling	✓
Viewing angle, horizontal	178°	Swivel angle range	15 - -15°
Viewing angle, vertical	178°	Tilt adjustment	✓
Display number of colours *	1.073 billion colours	Tilt angle range	20 - -5°
Pixel pitch	0.16 x 0.16 mm	<b>Power</b>	
Viewable size, horizontal	62.1 cm	Energy efficiency class (SDR) *	G
Viewable size, vertical	34.1 cm	Energy efficiency class (HDR) *	G
Digital horizontal frequency	30 - 340 kHz	Energy consumption (SDR) per 1000 hours *	33 kWh
Digital vertical frequency	48 - 144 Hz	Energy consumption (HDR) per 1000 hours *	60 kWh
High Dynamic Range (HDR) supported	✓	Power consumption (typical) *	33 W
High Dynamic Range (HDR) technology	High Dynamic Range 10 (HDR10)	Power consumption (standby) *	0.3 W
Colour gamut standard	DCI-P3	Power consumption (off)	0.3 W

<b>Display</b>		<b>Power</b>	
Colour gamut	90%	Power consumption (PowerSave)	0.45 W
<b>Performance</b>		AC input voltage	100 - 240 V
NVIDIA G-SYNC *	✓	AC input frequency	50 - 60 Hz
NVIDIA G-SYNC type	G-SYNC Compatible	Energy efficiency scale	A to G
AMD FreeSync *	✓	European Product Registry for Energy Labelling (EPREL) code	699960
AMD FreeSync type	FreeSync Premium	<b>Weight &amp; dimensions</b>	
Flicker-free technology	✓	Width (with stand)	639.5 mm
Low Blue Light technology	✓	Depth (with stand)	213.8 mm
Game mode	✓	Height (with stand)	539.8 mm
<b>Multimedia</b>		Weight (with stand)	6.89 kg
Number of speakers	2	Width (without stand)	639.5 mm
RMS rated power	4 W	Depth (without stand)	65.7 mm
Built-in speaker(s) *	✓	Height (without stand)	369.4 mm
Built-in camera *	✗	Weight (without stand)	4.67 kg
<b>Design</b>		<b>Packaging data</b>	
Market positioning *	Gaming	Package width	716 mm
Product colour *	Black	Package depth	224 mm
Detachable stand	✓	Package height	446 mm
Feet colour	Black	Package weight	10.4 kg
<b>Ports &amp; interfaces</b>		Package type	Box
Built-in USB hub *	✓	<b>Packaging content</b>	
USB hub version	3.2 Gen 1 (3.1 Gen 1)	Stand included	✓
Number of upstream ports	1	Cables included	AC, DisplayPort, HDMI, USB Type-A
USB Type-A downstream ports quantity	2	Quick start guide	✓
HDMI *	✓	<b>Logistics data</b>	
HDMI ports quantity	4	Harmonized System (HS) code	85285210
HDMI version	2.0/2.1		



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