Philips 42M2N8900/00 computer monitor 105.5 cm (41.5") 3840 x 2160 pixels 4K Ultra HD OLED White

Brand : Philips

Product name : 42M2N8900/00

Product code: 42M2N8900/00

Gaming Monitor 42M2N8900 OLED gaming monitor

Philips 42M2N8900/00 computer monitor 105.5 cm (41.5") 3840 x 2160 pixels 4K Ultra HD OLED White:

Be prepared to get stunned by the precise colour reproduction of the Evnia OLED gaming monitor. The innovative Ambiglow redefines what a gaming environment usually is, levelling up not only your game gear, but also your gaming experience.
Philips 42M2N8900/00. Display diagonal: 105.5 cm (41.5"), Display resolution: 3840 x 2160 pixels, HD type: 4K Ultra HD, Display technology: OLED, Response time: 0.1 ms, Native aspect ratio: 16:9, Viewing angle, horizontal: 178°, Viewing angle, vertical: 178°. Built-in speaker(s). Built-in USB hub, USB hub version: 3.2 Gen 1 (3.1 Gen 1). VESA mounting, Height adjustment. Product colour: White

Display

Display diagonal *	105.5 cm (41.5")
Display resolution *	3840 x 2160 pixels
HD type *	4K Ultra HD
Native aspect ratio *	16:9
Display technology *	OLED
Touchscreen *	✖
Response time *	0.1 ms
Anti-glare screen	✓
Screen shape *	Flat
Contrast ratio (typical) *	15000000:1
Dynamic contrast ratio marketing name	Mega Infinity DCR
Maximum refresh rate *	138 Hz
Viewing angle, horizontal	178°
Viewing angle, vertical	178°
Display number of colours *	1.07 billion colours
Pixel pitch	0.2395 x 0.2395 mm
Pixel density	106.06 ppi
Horizontal scan range	30 - 255 kHz
Vertical scan range	48 - 138 Hz
Viewable size, horizontal	92 cm
Viewable size, vertical	51.7 cm
Display diagonal (metric)	105.5 cm
High Dynamic Range (HDR) supported	✓
High Dynamic Range (HDR) technology	High Dynamic Range 10 (HDR10)
DDC/CI	✓
Haze rate	25%
Colour gamut standard	DCI-P3
Colour gamut	98.5%
sRGB coverage (typical)	131.3%
NTSC coverage (typical)	110.3%

Ports & interfaces

Audio output	✓
HDCP	✓
HDCP version	1.4/2.3

Ergonomics

VESA mounting *	✓
Cable lock slot *	✓
Cable lock slot type	Kensington
Height adjustment *	✓
Height adjustment	12 cm
Swivelling	✓
Swivel angle range	-20 - 20°
Tilt angle range	-5 - 15°
Picture-in-Picture	✓
On Screen Display (OSD)	✓
On Screen Display (OSD) languages	Simplified Chinese, Traditional Chinese, Czech, German, Dutch, English, Spanish, Finnish, French, Greek, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Swedish, Turkish, Ukrainian
Plug and Play	✓
LED indicators	Operation, Stand-by

Power

Energy efficiency class (SDR) *	G
Energy consumption (SDR) per 1000 hours *	51 kWh
Power consumption (typical) *	69.6 W
Power consumption (standby) *	0.5 W
Power consumption (off)	0.3 W
AC input voltage	100 - 240 V
AC input frequency	50 - 60 Hz
Power supply type	Internal
Energy efficiency scale	A to G

Display

Adobe RGB coverage	93.6%
DCI-P3 coverage	98.5%
Display sRGB	✓

Performance

NVIDIA G-SYNC *	✗
AMD FreeSync *	✓
AMD FreeSync type	FreeSync Premium
Ambient lighting type	3-sided
Fast charging	✓
Fast charging technology	Power Delivery
VESA Adaptive Sync support	✓
Component video sync	Separate sync
Flicker-free technology	✓
Low Blue Light technology	✓

Multimedia

Number of speakers	2
RMS rated power	20 W
Built-in speaker(s) *	✓
Audio decoders	DTS
Built-in camera *	✗

Design

Market positioning *	Gaming
Product colour *	White

Ports & interfaces

Built-in USB hub *	✓
USB hub version	3.2 Gen 1 (3.1 Gen 1)
USB upstream port type	USB Type-B, USB Type-C
Number of upstream ports	2
Number of USB Type-B upstream ports quantity	1
Number of USB Type-C upstream ports quantity	1
USB Type-A downstream ports quantity	4
USB Type-C DisplayPort Alternate Mode	✓
USB Power Delivery	✓
USB Power Delivery up to	90 W
HDMI *	✓
HDMI ports quantity	2
HDMI version	2.1
DisplayPorts quantity	1
DisplayPort version	1.4

Power

European Product Registry for Energy Labelling (EPREL) code	1426504

Operational conditions

Operating temperature (T-T)	0 - 40 °C
Storage temperature (T-T)	-20 - 60 °C
Operating relative humidity (H-H)	20 - 80%
Operating altitude	0 - 3658 m
Non-operating altitude	3658 - 12192 m

Weight & dimensions

Width (with stand)	932 mm
Depth (with stand)	359 mm
Height (with stand)	689 mm
Weight (with stand)	17.3 kg
Width (without stand)	932 mm
Depth (without stand)	79 mm
Height (without stand)	535 mm
Weight (without stand)	13.8 kg

Packaging data

Package width	1070 mm
Package depth	188 mm
Package height	635 mm
Package weight	21 kg

Packaging content

Stand included	✓
Cables included	HDMI, DisplayPort, USB, USB Type-C to USB Type-C, AC
Remote control included	✓
Manual	✓

Sustainability

Sustainability compliance	✓
Doesn't contain	Mercury, PVC/BFR

Other features

Low input lag	✓
Compatible operating systems	Mac OS X Windows 11/10/8.1/8
Picture-by-Picture (PbP)	✓
Exterior finish type	Textured
Picture enhancement	SmartImage game
Recyclable packaging material	100%
Regulatory Approvals	CB; CE Mark; FCC Class B; ICES-003; CU-EAC; EAEU RoHS; TUV/ISO9241-307; TUV-BAUART; cETLus
Delta E	2
EasyRead mode	✓
LowBlue mode	✓
Compliance certificates	RoHS
Mean time between failures (MTBF)	30000 h

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