

PHILIPS

Philips 242B1G/00 LED display 60.5 cm (23.8") 1920 x 1080 pixels Full HD Black

Brand : Philips

Product code: 242B1G/00

Product name : 242B1G/00

242B1G LCD monitor with super energy efficiency

Philips 242B1G/00 LED display 60.5 cm (23.8") 1920 x 1080 pixels Full HD Black:

The eco-friendly Philips 24" monitor is designed for sustainable productivity. Super-energy-efficient design delivers a new level of power savings. PowerSensor and LightSensor further reduce energy use while delivering crisp visuals.

Philips 242B1G/00. Display diagonal: 60.5 cm (23.8"), Display resolution: 1920 x 1080 pixels, HD type: Full HD, Display technology: LED, Display surface: Matt, Response time: 4 ms, Native aspect ratio: 16:9, Viewing angle, horizontal: 178°, Viewing angle, vertical: 178°. Built-in speaker(s). Built-in USB hub. VESA mounting, Height adjustment. Product colour: Black



Display		Ergonomics	
Display diagonal *	60.5 cm (23.8")	Height adjustment	15 cm
Display resolution *	1920 x 1080 pixels	Pivot	✓
HD type *	Full HD	Pivot angle	-90 - 90°
Native aspect ratio *	16:9	Swivelling	✓
Display technology *	LED	Swivel angle range	-180 - 180°
Panel type *	IPS	Tilt adjustment	✓
Backlight type	W-LED	Tilt angle range	-5 - 35°
Touchscreen *	✗	On Screen Display (OSD)	✓
Display brightness (typical)	250 cd/m²	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
Response time *	4 ms	Number of OSD languages	21
Display surface	Matt	Plug and Play	✓
Anti-glare screen	✓	LED indicators	Operation, Stand-by
Screen shape *	Flat		
Aspect ratio	16:9	Power	
Contrast ratio (typical) *	1000:1	Energy efficiency class (SDR) *	C
Contrast ratio (dynamic)	50000000:1	Energy consumption (SDR) per 1000 hours *	13 kWh
Dynamic contrast ratio marketing name	SmartContrast	Power consumption (typical) *	12.8 W
Maximum refresh rate *	75 Hz	Power consumption (standby) *	0.35 W
Viewing angle, horizontal	178°	Power consumption (off)	0 W
Viewing angle, vertical	178°	Power consumption (PowerSave)	8.6 W
Display number of colours *	16.7 million colours	AC input voltage	100 - 240 V
Pixel pitch	0.2745 x 0.2745 mm	AC input frequency	50 - 60 Hz
Pixel density	93 ppi	Power supply type	Internal
Horizontal scan range	30 - 85 kHz	European Product Registry for Energy Labelling (EPREL) code	427519
Vertical scan range	48 - 75 Hz	Operational conditions	
Viewable size, horizontal	52.7 cm	Operating temperature (T-T)	0 - 40 °C
Viewable size, vertical	29.6 cm		
Viewable size diagonal	60.5 cm		
Digital horizontal frequency	30 - 85 kHz		
Sync-on-green (SOG)	✓		

Display		Operational conditions	
Display diagonal (metric)	60.5 cm	Storage temperature (T-T)	-20 - 60 °C
DDC/CI	✓	Operating relative humidity (H-H)	20 - 80%
Haze rate	25%	Operating altitude	0 - 3658 m
Surface hardness	3H	Non-operating altitude	0 - 12192 m
Colour gamut standard	sRGB	Weight & dimensions	
sRGB coverage (typical)	102%	Width (with stand)	540 mm
NTSC coverage (typical)	78%	Depth (with stand)	205 mm
Display sRGB	✓	Height (with stand)	501 mm
Performance		Weight (with stand)	4.92 kg
VESA Adaptive Sync support	✓	Width (without stand)	540 mm
Component video sync	Separate sync, Sync-on-green (SOG)	Depth (without stand)	47 mm
Flicker-free technology	✓	Height (without stand)	323 mm
Low Blue Light technology	✓	Weight (without stand)	3.32 kg
Multimedia		Packaging data	
Number of speakers	2	Package width	730 mm
RMS rated power	2 W	Package depth	139 mm
Built-in speaker(s) *	✓	Package height	450 mm
Built-in camera *	✗	Package weight	7.61 kg
Design		Packaging content	
Product colour *	Black	Stand included	✓
Frameless design	✓	Cables included	HDMI, DisplayPort, AC
Front bezel colour	Black	Quick start guide	✓
Detachable stand	✓	Manual	✓
Feet colour	Black	Bundled software	SmartControl
Ports & interfaces		Sustainability	
Built-in USB hub *	✓	Sustainability certificates	ENERGY STAR, TCO
USB upstream port type	USB Type-B	Doesn't contain	PVC/BFR, Mercury
Number of upstream ports	1	Other features	
USB Type-A downstream ports quantity	4	Compatible operating systems	Mac OS X Windows 10 / 8.1 / 8 / 7
VGA (D-Sub) ports quantity	1	Exterior finish type	Textured
DVI port	✓	Picture enhancement	SmartImage
DVI-D ports quantity	1	Recyclable packaging material	100%
HDMI *	✓	Regulatory Approvals	CB; FCC Class B; ICES-003; CE Mark; TUV Ergo; TUV/GS; SEMKO; CU-EAC; CCC; CECP; CEL; UKRAINIAN; TUV Eye Comfort certified
HDMI ports quantity	1	Heavy metals free	Hg (mercury)
HDMI version	1.4	ECO mode	✓
DisplayPorts quantity	1	Light sensor	✓
DisplayPort version	1.2	EasyRead mode	✓
Audio input	✓	LowBlue mode	✓
Audio output	✓	Compliance certificates	RoHS
PC Audio in	✓	Mean time between failures (MTBF)	70000 h
HDCP	✓	Certification	CB, FCC Class B, ICES-003, CE Mark, TUV Ergo, TUV/GS, SEMKO, CU-EAC, CCC, CECP, CEL, UKRAINIAN, TUV Eye Comfort certified
HDCP version	1.4	Recycling data	
Ergonomics		Post-consumer recycled plastic	85%
VESA mounting *	✓	Logistics data	
Panel mounting interface	100 x 100 mm	Harmonized System (HS) code	85285210
Cable lock slot *	✓		
Cable lock slot type	Kensington		
Height adjustment *	✓		



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