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:
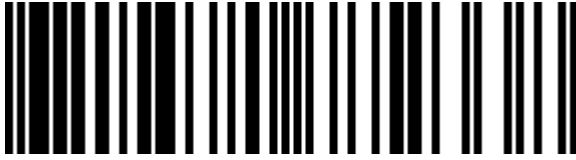
The eco-friendly Philips 24" monitor is designed for sustainable productivity. Super-energy-efficient design delivers a new level of power savings. PowerSensor and LightSensor further reduce energy use while delivering crisp visuals.
Philips 242B1G/00. Display diagonal: 60.5 cm (23.8"), Display resolution: 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")	VESA mounting *	✓
Display resolution *	1920 x 1080 pixels	Panel mounting interface	100 x 100 mm
HD type *	Full HD	Cable lock slot *	✓
Native aspect ratio *	16:9	Cable lock slot type	Kensington
Display technology *	LED	Height adjustment *	✓
Panel type *	IPS	Height adjustment	15 cm
Backlight type	W-LED	Pivot	✓
Touchscreen *	✘	Pivot angle	-90 - 90°
Display brightness (typical)	250 cd/m²	Swivelling	✓
Response time	4 ms	Swivel angle range	-180 - 180°
Display surface	Matt	Tilt adjustment	✓
Anti-glare screen	✓	Tilt angle range	-5 - 35°
Screen shape *	Flat	On Screen Display (OSD)	✓
Aspect ratio	16:9	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
Contrast ratio (typical) *	1000:1		
Contrast ratio (dynamic)	50000000:1		
Dynamic contrast ratio marketing name	SmartContrast		
Maximum refresh rate *	75 Hz	Number of OSD languages	21
Viewing angle, horizontal	178°	Plug and Play	✓
Viewing angle, vertical	178°	LED indicators	Operation, Stand-by
Display number of colours *	16.7 million colours	**Power**	
Pixel pitch	0.2745 x 0.2745 mm		
Pixel density	93 ppi	Energy efficiency class (SDR) *	C
Horizontal scan range	30 - 85 kHz	Energy consumption (SDR) per 1000 hours *	13 kWh
Vertical scan range	48 - 75 Hz		
Viewable size, horizontal	52.7 cm	Power consumption (typical) *	12.8 W
Viewable size, vertical	29.6 cm	Power consumption (standby) *	0.35 W
Viewable size diagonal	60.5 cm	Power consumption (PowerSave)	8.6 W
Digital horizontal frequency	30 - 85 kHz	AC input voltage	100 - 240 V

Display

Sync-on-green (SOG)	✔
Display diagonal (metric)	60.5 cm
DDC/CI	✔
Haze rate	25%
Surface hardness	3H
RGB colour space	sRGB
sRGB coverage (typical)	102%
NTSC coverage (typical)	78%
Display sRGB	✔

Performance

VESA Adaptive Sync support	✔
Component video sync	Separate sync, Sync-on-green (SOG)
Flicker-free technology	✔
Low Blue Light technology	✔
Compatible operating systems	Mac OS X Windows 10 / 8.1 / 8 / 7

Multimedia

Built-in speaker(s) *	✔
Built-in camera *	✘
Number of speakers	2
RMS rated power	2 W

Design

Product colour *	Black
Frameless design	✔
Front bezel colour	Black
Detachable stand	✔
Feet colour	Black
Heavy metals free	Hg (mercury)
Certification	CB, FCC Class B, ICES-003, CE Mark, TUV Ergo, TUV/GS, SEMKO, CU-EAC, CCC, CECP, CEL, UKRAINIAN, TUV Eye Comfort certified

Ports & interfaces

Built-in USB hub *	✔
USB upstream port type	USB Type-B
Number of upstream ports	1
USB Type-A downstream ports quantity	4
VGA (D-Sub) ports quantity	1
DVI port	✔
DVI-D ports quantity	1
HDMI *	✔
HDMI ports quantity	1
HDMI version	1.4
DisplayPorts quantity	1.2
DisplayPort version	1.2
Audio input	✔
Audio output	✔
PC Audio in	✔
HDCP	✔
HDCP version	1.4

Power

AC input frequency	50 - 60 Hz
Power supply type	Internal

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	0 - 12192 m

Packaging content

Stand included	✔
Cables included	HDMI, DisplayPort, AC
Quick start guide	✔
Manual	✔
Bundled software	SmartControl

Weight & dimensions

Width (with stand)	540 mm
Depth (with stand)	205 mm
Height (with stand)	501 mm
Weight (with stand)	4.92 kg
Width (without stand)	540 mm
Depth (without stand)	47 mm
Height (without stand)	323 mm
Weight (without stand)	3.32 kg

Packaging data

Package width	730 mm
Package depth	139 mm
Package height	450 mm
Package weight	7.61 kg

Sustainability

Sustainability certificates	ENERGY STAR, RoHS, TCO
Doesn't contain	PVC/BFR, Mercury
European Product Registry for Energy Labelling (EPREL) code	427519

Recycling data

Post-consumer recycled plastic	85%

Logistics data

Harmonized System (HS) code	85285210

Other features

Exterior finish type	Textured
Picture enhancement	SmartImage
Recyclable packaging material	100%
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
ECO mode	✔
Light sensor	✔
EasyRead mode	✔
LowBlue mode	✔
Mean time between failures (MTBF)	70000 h

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