PHILIPS

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

Brand : Philips

Product name : 242B1G/00

Product code: 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

Display diagonal *	60.5 cm (23.8")
Display resolution *	1920 x 1080 pixels
HD type *	Full HD
Native aspect ratio *	16:9
Display technology *	LED
Panel type *	IPS
Backlight type	W-LED
Touchscreen *	✘
Display brightness (typical)	250 cd/m²
Response time *	4 ms
Display surface	Matt
Anti-glare screen	✔
Screen shape *	Flat
Aspect ratio	16:9
Contrast ratio (typical) *	1000:1
Contrast ratio (dynamic)	50000000:1
Dynamic contrast ratio marketing name	SmartContrast
Maximum refresh rate *	75 Hz
Viewing angle, horizontal	178°
Viewing angle, vertical	178°
Display number of colours *	16.7 million colours
Pixel pitch	0.2745 x 0.2745 mm
Pixel density	93 ppi
Horizontal scan range	30 - 85 kHz
Vertical scan range	48 - 75 Hz
Viewable size, horizontal	52.7 cm
Viewable size, vertical	29.6 cm
Viewable size diagonal	60.5 cm
Digital horizontal frequency	30 - 85 kHz
Sync-on-green (SOG)	✔

Ergonomics

Height adjustment	15 cm
Pivot	✔
Pivot angle	-90 - 90°
Swivelling	✔
Swivel angle range	-180 - 180°
Tilt adjustment	✔
Tilt angle range	-5 - 35°
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
Number of OSD languages	21
Plug and Play	✔
LED indicators	Operation, Stand-by

Power

Energy efficiency class (SDR) *	C
Energy consumption (SDR) per 1000 hours *	13 kWh
Power consumption (typical) *	12.8 W
Power consumption (standby) *	0.35 W
Power consumption (off)	0 W
Power consumption (PowerSave)	8.6 W
AC input voltage	100 - 240 V
AC input frequency	50 - 60 Hz
Power supply type	Internal
European Product Registry for Energy Labelling (EPREL) code	427519

Operational conditions

Operating temperature (T-T)	0 - 40 °C

Display

Display diagonal (metric)	60.5 cm
DDC/CI	✔
Haze rate	25%
Surface hardness	3H
Colour gamut standard	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	✔

Multimedia

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

Design

Product colour *	Black
Frameless design	✔
Front bezel colour	Black
Detachable stand	✔
Feet colour	Black

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
DisplayPort version	1.2
Audio input	✔
Audio output	✔
PC Audio in	✔
HDCP	✔
HDCP version	1.4

Ergonomics

VESA mounting *	✔
Panel mounting interface	100 x 100 mm
Cable lock slot *	✔
Cable lock slot type	Kensington
Height adjustment *	✔

Operational conditions

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

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

Packaging content

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

Sustainability

Sustainability certificates	ENERGY STAR, TCO
Doesn't contain	PVC/BFR, Mercury

Other features

Compatible operating systems	Mac OS X Windows 10 / 8.1 / 8 / 7
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
Heavy metals free	Hg (mercury)
ECO mode	✔
Light sensor	✔
EasyRead mode	✔
LowBlue mode	✔
Compliance certificates	RoHS
Mean time between failures (MTBF)	70000 h
Certification	CB, FCC Class B, ICES-003, CE Mark, TUV Ergo, TUV/GS, SEMKO, CU-EAC, CCC, CECP, CEL, UKRAINIAN, TUV Eye Comfort certified

Recycling data

Post-consumer recycled plastic	85%

Logistics data

Harmonized System (HS) code	85285210

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