PHILIPS

Philips B Line 242B1/00 LED display 60.5 cm (23.8") 1920 x 1080 pixels Full HD Black

Brand : Philips   **Product family:** B Line   **Product code:** 242B1/00

Product name : 242B1/00

Business Monitor 242B1 LCD monitor with PowerSensor

Philips B Line 242B1/00 LED display 60.5 cm (23.8") 1920 x 1080 pixels Full HD Black:
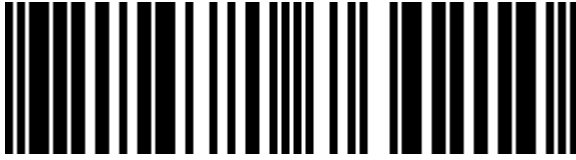
Get your best work done with this Philips monitor. IPS screen with crisp FHD gives you the clarity to see your work. Loaded with features to improve productivity and sustainability. Eye comfort features with TUV certified to reduce eye fatigue.

Philips B Line 242B1/00. 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, USB hub version: 3.2 Gen 2 (3.1 Gen 2). 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)	300 cd/m²
Response time	4 ms
Display surface	Matt
Anti-glare screen	✔
Screen shape *	Flat
Supported graphics resolutions	1920 x 1080 (HD 1080)
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
Digital horizontal frequency	30 - 85 kHz

Ports & interfaces

HDCP version	1.4
AC (power) in	✔

Ergonomics

VESA mounting *	✔
Panel mounting interface	100 x 100 mm
Cable lock slot *	✔
Cable lock slot type	Kensington
Height adjustment *	✔
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) *	D
Energy consumption (SDR) per 1000 hours *	17 kWh
Power consumption (typical) *	14.5 W

Display

Digital vertical frequency	48 - 75 Hz
Sync-on-green (SOG)	✓
Display diagonal (metric)	60.5 cm
DDC/CI	✓
Haze rate	25%
Surface hardness	3H
Colour gamut standard	sRGB
Colour gamut	91%
sRGB coverage (typical)	107%
NTSC coverage (typical)	91%
Display sRGB	✓

Performance

VESA Adaptive Sync support	✓
Component video sync	Separate sync, Sync-on-green (SOG)
Flicker-free technology	✓
Low Blue Light technology	✓

Multimedia

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

Design

Market positioning *	Business
Product colour *	Black
Front bezel colour	Black
Detachable stand	✓
Feet colour	Black
Heavy metals free	Hg (mercury)
Certification	CB, EPA, 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 hub version	3.2 Gen 2 (3.1 Gen 2)
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	✗
Headphone out *	✓
Headphone outputs	1
Headphone connectivity	3.5 mm
PC Audio in	✓
HDCP	✓

Power

Power consumption (standby) *	0.35 W
Power consumption (PowerSave)	10.4 W
AC input voltage	100 - 240 V
AC input frequency	50 - 60 Hz
Power supply type	Internal
Energy efficiency scale	A+++ to D

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	VGA, HDMI, DisplayPort, Audio (3.5mm), AC
Manual	✓
Bundled software	SmartControl

Weight & dimensions

Width (with stand)	540 mm
Depth (with stand)	205 mm
Height (with stand)	501 mm
Weight (with stand)	4.57 kg
Width (without stand)	540 mm
Depth (without stand)	51 mm
Height (without stand)	323 mm
Weight (without stand)	2.99 kg

Packaging data

Package width	730 mm
Package depth	198 mm
Package height	465 mm
Package weight	7.36 kg
Package type	Box

Sustainability

Sustainability certificates	ENERGY STAR, TCO
Doesn't contain	PVC/BFR, Mercury
European Product Registry for Energy Labelling (EPREL) code	420473

Recycling data

Post-consumer recycled plastic	85%

Logistics data

Harmonized System (HS) code	85285210

Technical details

Compliance certificates	RoHS

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; CU-EAC; CCC; CECP; CEL; UKRAINIAN; TUV Eye Comfort certified
Light sensor	✓
EasyRead mode	✓
LowBlue mode	✓
Mean time between failures (MTBF)	70000 h

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