

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 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		Ergonomics	
Display diagonal *	60.5 cm (23.8")	Panel mounting interface	100 x 100 mm
Display resolution *	1920 x 1080 pixels	Cable lock slot *	✓
HD type *	Full HD	Cable lock slot type	Kensington
Native aspect ratio *	16:9	Height adjustment *	✓
Display technology *	LED	Height adjustment	15 cm
Panel type *	IPS	Pivot	✓
Backlight type	W-LED	Pivot angle	-90 - 90°
Touchscreen *	✗	Swivelling	✓
Display brightness (typical)	300 cd/m²	Swivel angle range	-180 - 180°
Response time *	4 ms	Tilt adjustment	✓
Display surface	Matt	Tilt angle range	-5 - 35°
Anti-glare screen	✓	On Screen Display (OSD)	✓
Screen shape *	Flat	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
Supported graphics resolutions	1920 x 1080 (HD 1080)		
Aspect ratio	16:9		
Contrast ratio (typical) *	1000:1	Number of OSD languages	21
Contrast ratio (dynamic)	50000000:1	Plug and Play	✓
Dynamic contrast ratio marketing name	SmartContrast	LED indicators	Operation, Stand-by
Maximum refresh rate *	75 Hz	Power	
Viewing angle, horizontal	178°	Energy efficiency class (SDR) *	D
Viewing angle, vertical	178°	Energy consumption (SDR) per 1000 hours *	17 kWh
Display number of colours *	16.7 million colours	Power consumption (typical) *	14.5 W
Pixel pitch	0.2745 x 0.2745 mm	Power consumption (standby) *	0.35 W
Pixel density	93 ppi	Power consumption (off)	0 W
Horizontal scan range	30 - 85 kHz	Power consumption (PowerSave)	10.4 W
Vertical scan range	48 - 75 Hz		
Viewable size, horizontal	52.7 cm		
Viewable size, vertical	29.6 cm		

Display		Power	
Digital horizontal frequency	30 - 85 kHz	AC input voltage	100 - 240 V
Digital vertical frequency	48 - 75 Hz	AC input frequency	50 - 60 Hz
Sync-on-green (SOG)	✓	Power supply type	Internal
Display diagonal (metric)	60.5 cm	Energy efficiency scale	A+++ to D
DDC/CI	✓	European Product Registry for Energy Labelling (EPREL) code	420473
Haze rate	25%	Operational conditions	
Surface hardness	3H	Operating temperature (T-T)	0 - 40 °C
Colour gamut standard	sRGB	Storage temperature (T-T)	-20 - 60 °C
Colour gamut	91%	Operating relative humidity (H-H)	20 - 80%
sRGB coverage (typical)	107%	Operating altitude	0 - 3658 m
NTSC coverage (typical)	91%	Non-operating altitude	0 - 12192 m
Display sRGB	✓	Weight & dimensions	
Performance		Width (with stand)	540 mm
VESA Adaptive Sync support	✓	Depth (with stand)	205 mm
Component video sync	Separate sync, Sync-on-green (SOG)	Height (with stand)	501 mm
Flicker-free technology	✓	Weight (with stand)	4.57 kg
Low Blue Light technology	✓	Width (without stand)	540 mm
Multimedia		Depth (without stand)	51 mm
Number of speakers	2	Height (without stand)	323 mm
RMS rated power	2 W	Weight (without stand)	2.99 kg
Built-in speaker(s) *	✓	Packaging data	
Built-in camera *	✗	Package width	730 mm
Design		Package depth	198 mm
Market positioning *	Business	Package height	465 mm
Product colour *	Black	Package weight	7.36 kg
Front bezel colour	Black	Package type	Box
Detachable stand	✓	Packaging content	
Feet colour	Black	Stand included	✓
Ports & interfaces		Cables included	VGA, HDMI, DisplayPort, Audio (3.5mm), AC
Built-in USB hub *	✓	Manual	✓
USB hub version	3.2 Gen 2 (3.1 Gen 2)	Bundled software	SmartControl
USB upstream port type	USB Type-B	Sustainability	
Number of upstream ports	1	Sustainability certificates	ENERGY STAR, TCO
USB Type-A downstream ports quantity	4	Doesn't contain	PVC/BFR, Mercury
VGA (D-Sub) ports quantity	1	Other features	
DVI port	✓	Exterior finish type	Textured
DVI-D ports quantity	1	Picture enhancement	SmartImage
HDMI *	✓	Recyclable packaging material	100%
HDMI ports quantity	1	Regulatory Approvals	CB; FCC Class B; ICES-003; CE Mark; TUV Ergo; TUV/GS; CU-EAC; CCC; CECP; CEL; UKRAINIAN; TUV Eye Comfort certified
HDMI version	1.4	Heavy metals free	Hg (mercury)
DisplayPorts quantity	1	Light sensor	✓
DisplayPort version	1.2	EasyRead mode	✓
Audio input	✗	LowBlue mode	✓
Headphone out *	✓	Compliance certificates	RoHS
Headphone outputs	1	Mean time between failures (MTBF)	70000 h
Headphone connectivity	3.5 mm	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
PC Audio in	✓	Recycling data	
HDCP	✓	Post-consumer recycled plastic	85%
HDCP version	1.4		
AC (power) in	✓		
Ergonomics			
VESA mounting *	✓		

Logistics data

Harmonized System (HS) code	85285210
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