

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/m ²	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)	Number of OSD languages	21
Aspect ratio	16:9	Plug and Play	✓
Contrast ratio (typical) *	1000:1	LED indicators	Operation, Stand-by
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		
		Power	
		Energy efficiency class (SDR) *	D
		Energy consumption (SDR) per 1000 hours *	17 kWh
		Power consumption (typical) *	14.5 W
		Power consumption (standby) *	0.35 W
		Power consumption (PowerSave)	10.4 W
		AC input voltage	100 - 240 V
		AC input frequency	50 - 60 Hz

Display		Power	
Digital vertical frequency	48 - 75 Hz	Power supply type	Internal
Sync-on-green (SOG)	✓	Energy efficiency scale	A+++ to D
Display diagonal (metric)	60.5 cm	European Product Registry for Energy Labelling (EPREL) code	420473
DDC/CI	✓	Operational conditions	
Haze rate	25%	Operating temperature (T-T)	0 - 40 °C
Surface hardness	3H	Storage temperature (T-T)	-20 - 60 °C
Colour gamut standard	sRGB	Operating relative humidity (H-H)	20 - 80%
Colour gamut	91%	Operating altitude	0 - 3658 m
sRGB coverage (typical)	107%	Non-operating altitude	0 - 12192 m
NTSC coverage (typical)	91%	Weight & dimensions	
Display sRGB	✓	Width (with stand)	540 mm
Performance		Depth (with stand)	205 mm
VESA Adaptive Sync support	✓	Height (with stand)	501 mm
Component video sync	Separate sync, Sync-on-green (SOG)	Weight (with stand)	4.57 kg
Flicker-free technology	✓	Width (without stand)	540 mm
Low Blue Light technology	✓	Depth (without stand)	51 mm
Multimedia		Height (without stand)	323 mm
Number of speakers	2	Weight (without stand)	2.99 kg
RMS rated power	2 W	Packaging data	
Built-in speaker(s) *	✓	Package width	730 mm
Built-in camera *	✗	Package depth	198 mm
Design		Package height	465 mm
Market positioning *	Business	Package weight	7.36 kg
Product colour *	Black	Package type	Box
Front bezel colour	Black	Packaging content	
Detachable stand	✓	Stand included	✓
Feet colour	Black	Cables included	VGA, HDMI, DisplayPort, Audio (3.5mm), AC
Ports & interfaces		Manual	✓
Built-in USB hub *	✓	Bundled software	SmartControl
USB hub version	3.2 Gen 2 (3.1 Gen 2)	Sustainability	
USB upstream port type	USB Type-B	Sustainability certificates	ENERGY STAR, TCO
Number of upstream ports	1	Doesn't contain	PVC/BFR, Mercury
USB Type-A downstream ports quantity	4	Other features	
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; CU-EAC; CCC; CECP; CEL; UKRAINIAN; TUV Eye Comfort certified
HDMI ports quantity	1	Heavy metals free	Hg (mercury)
HDMI version	1.4	Light sensor	✓
DisplayPorts quantity	1	EasyRead mode	✓
DisplayPort version	1.2	LowBlue mode	✓
Audio input	✗	Compliance certificates	RoHS
Headphone out *	✓	Mean time between failures (MTBF)	70000 h
Headphone outputs	1	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
Headphone connectivity	3.5 mm	Recycling data	
PC Audio in	✓	Post-consumer recycled plastic	85%
HDCP	✓	Logistics data	
HDCP version	1.4	Harmonized System (HS) code	85285210
AC (power) in	✓		
Ergonomics			
VESA mounting *	✓		



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