

Philips B Line 242B1H/00 LED display 60.5 cm (23.8") 1920 x 1080 pixels Full HD Black

Brand : Philips

Product family: B Line

Product code: 242B1H/00

Product name : 242B1H/00

Business Monitor 242B1H LCD monitor with Windows Hello Webcam

Philips B Line 242B1H/00 LED display 60.5 cm (23.8") 1920 x 1080 pixels Full HD Black:

This Philips monitor with a secure pop-up webcam with Windows Hello offers a personalized, greater security. Loaded with features to improve productivity and sustainability. Eye comfort features with TUV certified to reduce eye fatigue.

Philips B Line 242B1H/00. Display diagonal: 60.5 cm (23.8"), Display resolution: 1920 x 1080 pixels, HD type: Full HD, Display technology: LED, 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")	Cable lock slot *	✓
Display resolution *	1920 x 1080 pixels	Cable lock slot type	Kensington
HD type *	Full HD	Height adjustment *	✓
Native aspect ratio *	16:9	Adjustable height (max)	15 cm
Display technology *	LED	Pivot	✓
Panel type *	IPS	Pivot angle	-90 - 90°
Backlight type	W-LED	Swivelling	✓
Touchscreen *	✗	Swivel angle range	-180 - 180°
Display brightness (typical)	300 cd/m²	Tilt adjustment	✓
Response time *	4 ms	Tilt angle range	-5 - 30°
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) *	E
Viewing angle, vertical	178°	Energy consumption (SDR) per 1000 hours *	16 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 (PowerSave)	10.9 W
Horizontal scan range	30 - 85 kHz	AC input voltage	100 - 240 V
Vertical scan range	48 - 75 Hz	AC input frequency	50 - 60 Hz
Viewable size, horizontal	52.7 cm		
Viewable size, vertical	29.6 cm		
Digital horizontal frequency	30 - 85 kHz		

Display		Power	
Digital vertical frequency	48 - 75 Hz	Power supply type	Internal
Sync-on-green (SOG)	✓	Energy efficiency scale	A to G
Display diagonal (metric)	60.5 cm	European Product Registry for Energy Labelling (EPREL) code	405287
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%	Storage 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)	4.77 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)	3.17 kg
Built-in speaker(s) *	✓	Packaging data	
Megapixel (approx.)	2 MP	Package width	730 mm
Built-in microphone	✓	Package depth	198 mm
Built-in camera *	✓	Package height	465 mm
Design		Package weight	7.66 kg
Market positioning *	Business	Package type	Box
Product colour *	Black	Packaging content	
Front bezel colour	Black	Stand included	✓
Detachable stand	✓	Cables included	VGA, HDMI, DisplayPort, USB Type-A to USB Type-B, Audio (3.5mm), AC
Feet colour	Black	Manual	✓
Ports & interfaces		Bundled software	SmartControl
Built-in USB hub *	✓	Sustainability	
USB hub version	3.2 Gen 2 (3.1 Gen 2)	Sustainability certificates	ENERGY STAR, TCO
USB upstream port type	USB Type-B	Doesn't contain	PVC/BFR, Mercury
Number of upstream ports	1	Other features	
USB Type-A downstream ports quantity	3	Exterior finish type	Textured
VGA (D-Sub) ports quantity	1	Picture enhancement	SmartImage
DVI port	✓	Recyclable packaging material	100%
DVI-D ports quantity	1	Regulatory Approvals	CE Mark; FCC Class B; CU-EAC; TUV Ergo; TUV/GS; ICES-003; CB; CCC; CECP; CEL; UKRAINIAN; TUV Eye Comfort certified
HDMI *	✓	Heavy metals free	Hg (mercury)
HDMI ports quantity	1	Light sensor	✓
HDMI version	1.4	EasyRead mode	✓
DisplayPorts quantity	1	LowBlue mode	✓
DisplayPort version	1.2	Energy efficiency class (old)	E
Audio input	✗	Compliance certificates	RoHS
Headphone out *	✓	Mean time between failures (MTBF)	70000 h
Headphone outputs	1	Certification	CE Mark, FCC Class B, SEMKO, CU-EAC, TUV Ergo, TUV/GS, EPA, ICES-003, CB, CCC, CECP, CEL, UKRAINIAN, TUV Eye Comfort certified
Headphone connectivity	3.5 mm	Recycling data	
PC Audio in	✓	Post-consumer recycled plastic	85%
HDCP	✓		
HDCP version	1.4		
AC (power) in	✓		
Ergonomics			
VESA mounting *	✓		
Panel mounting interface	100 x 100 mm		

Logistics data

Harmonized System (HS) code	85285210
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Catalog Object Cloud



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