

# Philips 242B1TC/00 computer monitor 60.5 cm (23.8") 1920 x 1080 pixels Full HD LED Touchscreen Black

**Brand :** Philips

**Product code:** 242B1TC/00

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242B1TC LCD monitor with SmoothTouch

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A durable, anti-glare touchscreen for flexible use, with articulating stand to angle as you need. Advanced In-Cell Touch (AIT) offers a slimmer look, superior touch sensitivity for quick response, outstanding and clearer visibility.

Philips 242B1TC/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). 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	Height adjustment	8 cm
Display technology *	LED	Tilt angle range	-5 - 90°
Panel type *	IPS	On Screen Display (OSD)	✓
Backlight type	W-LED	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
Touchscreen *	✓	Number of OSD languages	21
Touchscreen technology	Capacitive	Palm rejection area	30 x 30 mm
Touch technology	Multi-touch	Plug and Play	✓
Number of simultaneous touchpoints	10	LED indicators	Operation, Stand-by
Display brightness (typical)	250 cd/m <sup>2</sup>	<b>Power</b>	
Display brightness	250 cd/m <sup>2</sup>	Energy efficiency class (SDR) *	E
Response time *	4 ms	Energy consumption (SDR) per 1000 hours *	18 kWh
Screen shape *	Flat	Power consumption (typical) *	15.6 W
Aspect ratio	16:9	Power consumption (standby) *	0.3 W
Contrast ratio (typical) *	1000:1	Power consumption (PowerSave)	9.8 W
Contrast ratio (dynamic)	50000000:1	AC input voltage	100 - 240 V
Dynamic contrast ratio marketing name	SmartContrast	AC input frequency	50 - 60 Hz
Maximum refresh rate *	75 Hz	Power supply type	Internal
Viewing angle, horizontal	178°	European Product Registry for Energy Labelling (EPREL) code	430411
Viewing angle, vertical	178°	<b>Operational conditions</b>	
Display number of colours *	16.7 million colours	Operating temperature (T-T)	0 - 40 °C
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		

<b>Display</b>		<b>Operational conditions</b>	
Viewable size, vertical	29.6 cm	Storage temperature (T-T)	-20 - 60 °C
Display diagonal (metric)	60.5 cm	Operating relative humidity (H-H)	20 - 80%
DDC/CI	✓	Operating altitude	0 - 3658 m
Surface hardness	3H	Non-operating altitude	0 - 12192 m
sRGB coverage (typical)	102%	<b>Weight &amp; dimensions</b>	
NTSC coverage (typical)	88%	Width (with stand)	540 mm
Adobe RGB coverage	83%	Depth (with stand)	227 mm
Display sRGB	✓	Height (with stand)	403 mm
<b>Performance</b>		Weight (with stand)	6.67 kg
NVIDIA G-SYNC *	✗	Width (without stand)	540 mm
AMD FreeSync *	✗	Depth (without stand)	51 mm
Component video sync	Separate sync, Sync-on-green (SOG)	Height (without stand)	323 mm
Flicker-free technology	✓	Weight (without stand)	3.34 kg
Low Blue Light technology	✓	<b>Packaging data</b>	
Windows operating systems supported	Windows 10	Package width	620 mm
<b>Multimedia</b>		Package depth	140 mm
Number of speakers	2	Package height	420 mm
RMS rated power	2 W	Package weight	9.01 kg
Built-in speaker(s) *	✓	<b>Packaging content</b>	
Built-in camera *	✗	Stand included	✓
<b>Design</b>		Cables included	HDMI, DisplayPort, USB Type-A to USB Type-B, AC
Market positioning *	Home	Manual	✓
Product colour *	Black	Bundled software	SmartControl
Front bezel colour	Black	<b>Sustainability</b>	
Feet colour	Black	Sustainability certificates	ENERGY STAR, TCO
<b>Ports &amp; interfaces</b>		Doesn't contain	PVC/BFR, Mercury
Built-in USB hub *	✗	<b>Other features</b>	
Number of upstream ports	1	Exterior finish type	Textured
Number of USB Type-C upstream ports quantity	1	Display viewable area (HxV)	527.04 x 296.46 mm
USB Type-A downstream ports quantity	3	Picture enhancement	SmartImage
USB Touch port	✓	Recyclable packaging material	100%
VGA (D-Sub) ports quantity	1	Regulatory Approvals	UKRAINIAN; CB; SEMKO; TUV/GS; TUV Ergo; CU-EAC; EAEU RoHS; CE Mark; ICES-003; FCC Class B; TUV Eye Comfort certified
HDMI *	✓	Heavy metals free	Hg (mercury)
HDMI ports quantity	1	Folding angle	70°
HDMI version	1.4	Touch method	Finger
DisplayPorts quantity	1	EasyRead mode	✓
DisplayPort version	1.2	Energy efficiency class (old)	E
Headphone out *	✓	Compliance certificates	RoHS
PC Audio in	✓	Mean time between failures (MTBF)	70000 h
<b>Ergonomics</b>		Certification	UKRAINIAN, CB, SEMKO, TUV/GS, TUV Ergo, CU-EAC, EAEU RoHS, CE Mark, ICES-003, FCC Class B, TUV Eye Comfort certified
VESA mounting *	✓	<b>Logistics data</b>	
Panel mounting interface	100 x 100 mm	Harmonized System (HS) code	85285210



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