

## 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

**Product name :** 242B1TC/00

242B1TC LCD monitor with SmoothTouch

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

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 type  | Kensington  |
| Display resolution *                  | 1920 x 1080 pixels   | Height adjustment *   | ✓   |
| HD type *                             | Full HD              | Height adjustment   | 8 cm  |
| Native aspect ratio *                 | 16:9                 | Tilt angle range  | -5 - 90°  |
| Display technology *                  | LED                  | On Screen Display (OSD)                                     | ✓   |
| Panel type *                          | IPS                  | 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 |
| Backlight type                        | W-LED                |   |   |
| 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/m²            | <b>Power</b>  |   |
| Display brightness                    | 250 cd/m²            | 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 (off)                                     | 0 W   |
| Contrast ratio (dynamic)              | 50000000:1           | Power consumption (PowerSave)                               | 9.8 W   |
| Dynamic contrast ratio marketing name | SmartContrast        | AC input voltage  | 100 - 240 V   |
| Maximum refresh rate *                | 75 Hz                | AC input frequency  | 50 - 60 Hz  |
| Viewing angle, horizontal             | 178°                 | Power supply type   | Internal  |
| Viewing angle, vertical               | 178°                 | European Product Registry for Energy Labelling (EPREL) code | 430411  |
| Display number of colours *           | 16.7 million colours | <b>Operational conditions</b>                               |   |
| Pixel pitch                           | 0.2745 x 0.2745 mm   | Operating temperature (T-T)                                 | 0 - 40 °C   |
| Pixel density                         | 93 ppi               |   |   |
| Horizontal scan range                 | 30 - 85 kHz          |   |   |
| Vertical scan range                   | 48 - 75 Hz           |   |   |
| Viewable size, horizontal             | 52.7 cm              |   |   |

| Display                                      |                                    | Operational conditions            |  |
|--|------------------------------------|-----------------------------------|--|
| 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%                               | Weight & dimensions               |  |
| 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   |
| Performance                                  |                                    | 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                    | ✓                                  | Packaging data                    |  |
| Windows operating systems supported          | Windows 10                         | Package width                     | 620 mm   |
| Multimedia                                   |                                    | 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) *                        | ✓                                  | Packaging content                 |  |
| Built-in camera *                            | ✗                                  | Stand included                    | ✓  |
| Design                                       |                                    | 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                              | Sustainability                    |  |
| Feet colour                                  | Black                              | Sustainability certificates       | ENERGY STAR, TCO   |
| Ports & interfaces                           |                                    | Doesn't contain                   | PVC/BFR, Mercury   |
| Built-in USB hub *                           | ✗                                  | Other features                    |  |
| 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  |
| Ergonomics                                   |                                    | 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 *                              | ✓                                  | Logistics data                    |  |
| Panel mounting interface                     | 100 x 100 mm                       | Harmonized System (HS) code       | 85285210   |
| Cable lock slot *                            | ✓                                  |                                   |  |



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Publication date: 20-DEC-2024. Prints or copies of Information are only valid on the printed Publication date