**PHILIPS**

# Philips 230B8QJEB/00 computer monitor 57.1 cm (22.5") 1920 x 1200 pixels WUXGA LED Black

**Brand :** Philips

**Product name :** 230B8QJEB/00

**Product code:** 230B8QJEB/00

230B8QJEB LCD monitor

Philips 230B8QJEB/00 computer monitor 57.1 cm (22.5") 1920 x 1200 pixels WUXGA LED Black:

Get your best work done with the Philips 23" monitor. The 16:10 ratio display gives you extra vertical height for increased productivity. Features like height adjustment, Flicker-free and LowBlue mode make work easy on the eyes.
Philips 230B8QJEB/00. Display diagonal: 57.1 cm (22.5"), Display resolution: 1920 x 1200 pixels, HD type: WUXGA, Display technology: LED, Display surface: Matt, Response time: 5 ms, Native aspect ratio: 16:10, Viewing angle, horizontal: 178°, Viewing angle, vertical: 178°. Built-in speaker(s). VESA mounting, Height adjustment. Product colour: Black

## Display

| | |
|---|---|
| Display diagonal * | 57.1 cm (22.5") |
| Display resolution * | 1920 x 1200 pixels |
| HD type * | WUXGA |
| Native aspect ratio * | 16:10 |
| Display technology * | LED |
| Panel type * | IPS |
| Backlight type | W-LED |
| Touchscreen * | ✗ |
| Display brightness (typical) | 250 cd/m² |
| Response time * | 5 ms |
| Display surface | Matt |
| Anti-glare screen | ✔ |
| Screen shape * | Flat |
| Supported graphics resolutions | 1920 x 1200 (WUXGA) |
| Aspect ratio | 16:10 |
| Contrast ratio (typical) * | 1000:1 |
| Contrast ratio (dynamic) | 50000000:1 |
| Dynamic contrast ratio marketing name | SmartContrast |
| Maximum refresh rate * | 60 Hz |
| Viewing angle, horizontal | 178° |
| Viewing angle, vertical | 178° |
| Display number of colours * | 16.7 million colours |
| Pixel pitch | 0.25425 x 0.24765 mm |
| Pixel density | 101 ppi |
| Horizontal scan range | 30 - 96 kHz |
| Vertical scan range | 48 - 76 Hz |
| Viewable size, horizontal | 48.8 cm |
| Viewable size, vertical | 29.7 cm |
| Digital horizontal frequency | 30 - 96 kHz |

## Ergonomics

| | |
|---|---|
| Pivot angle | -90 - 90° |
| Swivelling | ✔ |
| Swivel angle range | -175 - 175° |
| Tilt adjustment | ✔ |
| Tilt angle range | -5 - 30° |
| On Screen Display (OSD) | ✔ |
| 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 |
| Number of OSD languages | 31 |
| Plug and Play | ✔ |
| LED indicators | Operation, Stand-by |

## Power

| | |
|---|---|
| Energy efficiency class (SDR) * | E |
| Energy consumption (SDR) per 1000 hours * | 17 kWh |
| Power consumption (typical) * | 13.6 W |
| Power consumption (standby) * | 0.3 W |
| Power consumption (PowerSave) | 8.5 W |
| AC input voltage | 100 - 240 V |
| AC input frequency | 50 - 60 Hz |
| Power supply type | Internal |
| Energy efficiency scale | A to G |
| European Product Registry for Energy Labelling (EPREL) code | 413544 |

## Operational conditions

| | |
|---|---|
| Operating temperature (T-T) | 0 - 40 °C |
| Storage temperature (T-T) | -20 - 60 °C |

## Display

| | |
|---|---|
| Digital vertical frequency | 48 - 76 Hz |
| Sync-on-green (SOG) | ✔ |
| Display diagonal (metric) | 57.2 cm |
| DDC/CI | ✔ |
| Haze rate | 25% |
| Surface hardness | 3H |
| Colour gamut standard | sRGB |
| Colour gamut | 85% |
| sRGB coverage (typical) | 101.8% |
| NTSC coverage (typical) | 85% |
| Display sRGB | ✔ |

## Performance

| | |
|---|---|
| VESA Adaptive Sync support | ✔ |
| Component video sync | Separate sync, Sync-on-green (SOG) |
| Flicker-free technology | ✔ |
| Low Blue Light technology | ✔ |

## Multimedia

| | |
|---|---|
| Number of speakers | 2 |
| RMS rated power | 2 W |
| Built-in speaker(s) * | ✔ |
| Built-in camera * | ✘ |

## Design

| | |
|---|---|
| Market positioning * | Home |
| Product colour * | Black |
| Front bezel colour | Black |
| Feet colour | Black |

## Ports & interfaces

| | |
|---|---|
| VGA (D-Sub) ports quantity | 1 |
| DVI port | ✔ |
| DVI-D ports quantity | 1 |
| HDMI * | ✔ |
| HDMI ports quantity | 1.4 |
| HDMI version | 1.4 |
| DisplayPorts quantity | 1.2 |
| DisplayPort version | 1.2 |
| Headphone out * | ✔ |
| PC Audio in | ✔ |

## Ergonomics

| | |
|---|---|
| VESA mounting * | ✔ |
| Panel mounting interface | 100 x 100 mm |
| Cable lock slot * | ✔ |
| Cable lock slot type | Kensington |
| Height adjustment * | ✔ |
| Adjustable height (max) | 13 cm |
| Pivot | ✔ |

## Operational conditions

| | |
|---|---|
| Operating relative humidity (H-H) | 20 - 80% |
| Operating altitude | 0 - 3658 m |
| Non-operating altitude | 0 - 12192 m |

## Weight & dimensions

| | |
|---|---|
| Width (with stand) | 499 mm |
| Depth (with stand) | 216 mm |
| Height (with stand) | 512 mm |
| Weight (with stand) | 4.3 kg |
| Width (without stand) | 499 mm |
| Depth (without stand) | 56 mm |
| Height (without stand) | 323 mm |
| Weight (without stand) | 2.7 kg |

## Packaging data

| | |
|---|---|
| Package width | 565 mm |
| Package depth | 161 mm |
| Package height | 519 mm |
| Package weight | 6.25 kg |

## Packaging content

| | |
|---|---|
| Stand included | ✔ |
| Cables included | VGA, DVI, HDMI, DisplayPort, AC |
| Manual | ✔ |
| Bundled software | SmartControl |

## Sustainability

| | |
|---|---|
| Sustainability certificates | ENERGY STAR, TCO |
| Doesn't contain | PVC/BFR, Mercury |

## Other features

| | |
|---|---|
| Exterior finish type | Textured |
| Recommended resolution | 1920 x 1200 @ 60 Hz |
| Picture enhancement | SmartImage |
| Recyclable packaging material | 100% |
| Regulatory Approvals | CE Mark; FCC Class B; EPA; UKRAINIAN; ICES-003; TUV Ergo; TUV/GS; CU-EAC |
| Heavy metals free | Hg (mercury) |
| EasyRead mode | ✔ |
| LowBlue mode | ✔ |
| Compliance certificates | WEEE, RoHS |
| Mean time between failures (MTBF) | 70000 h |
| Certification | CE Mark, FCC Class B, EPA, UKRAINIAN, ICES-003, TUV Ergo, TUV/GS, CU-EAC |

## Recycling data

| | |
|---|---|
| Total amount of recyclable materials | 85% |
| Total amount of recycled materials used for making | 85% |

## Logistics data

| | |
|---|---|
| Harmonized System (HS) code | 85285210 |

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**Catalog Object Cloud**