Philips
LCD monitor

48 cm (19")
SXGA

190B7CB

Large convenient display to increase productivity

With a full range of convenient features, combined with SmartManage remote monitor management and Philips Perfect Panel™ warranty, the 190B7 delivers an extremely convenient display with an attractive total cost of ownership.

Best total cost of ownership solution
- Empowered for Windows Vista
- SmartManage compatibility enables LAN-based asset management
- Complies with RoHS standards to care for the environment

Outstanding front of screen performance
- ISO 13406-2 Class I compliant dot-defect-free display
- Fast 8ms On/off response time:Great text & graphics display
- SXGA 1280 x 1024 resolution for sharper display
- Dual input accepts both analog VGA and digital DVI signals

Maximum comfort for maximum productivity
- Tilt, swivel and height-adjust for an ideal viewing position

Great convenience
- USB port for convenient peripheral connections
- Easy to adjust display settings with Philips SmartControl
- Built-in speakers for audio without desktop clutter

PHILIPS

Highlights

Windows Vista ready
Philips Vista-ready monitors are empowered for vibrant, exciting display of this new, visually sophisticated and demanding Windows operating system, designed to enhance your entertainment experience, make you more productive and help you control your computing experience at home and in the office, making viewing, finding and organizing information for work or play quick, efficient and easy.

SmartManage enabled
SmartManage is a system for monitoring, managing and checking status of display devices as well as delivering remote support to users who experience difficulties - all accomplished over a LAN.

Compliant with RoHS standards
Philips designs and produces display products in compliance with strict Restriction of Hazardous Substances (RoHS) standards that restrict lead and other toxic substances that can harm the environment.

PerfectPanel™
Bright dots and dark dots are defects in a LCD panel. While some manufacturers still consider bright and dark defects in a LCD panel an inevitable part of the manufacturing process, Philips doesn't. Philips monitors, compliant with ISO 13406-2 Class I standard, are produced with zero tolerance for LCD panel defects and backed by Philips PerfectPanel™ globally valid warranty providing repair or replacement of any LCD monitors that display even a single defective bright or dark dot.

8ms response time (On/Off)
On-Off response time is the period required for a liquid crystal cell to go from active (black) to inactive (white) and back to active (black) again. It is measured in milliseconds. Faster is better: Lower response time means faster transitions and, therefore, results in fewer visible image artifacts in the display of transition of text and graphics. On-Off response time is a more important measure in the display of business content like documents, graphs and photos.

Dual input
Dual input provides connectors to accommodate input of both analog VGA and digital DVI signals.

Compact Ergo Base
The Compact Ergo Base is a 'people friendly' Philips monitor base that tilts, swivels and height adjusts so each user can position the monitor for maximum viewing comfort and efficiency.

USB 2.0 port
USB port allows user to conveniently connect their plug and play multimedia devices such as USB memory devices, camera, portable HDD, Web camera, PDA, Printer and many other devices which has USB connection available. The conveniently located USB 2.0 port on the monitor allows USB 2.0 signals to pass thru to the computer. Note that many devices like cameras and HDD may need to be powered On independently, as they have higher power requirements than the monitor USB port can provide

SmartControl
PC software for fine tuning display performance and settings. Philips offers users two choices for display setting adjustment. Either navigate the multilevel On Screen Display menu through buttons on the display itself or use the Philips SmartControl software to easily adjust the various display settings in a familiar way.

Built-in speakers
A pair of stereo speakers built into a display device. It can be visible front firing, or invisible down firing, top firing, rear firing, etc depending on model and design.

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190B7CB/00

Specifications

Picture/Display
- LCD panel type: 1280 x 1024 pixels, Anti-glare polarizer, RGB vertical stripe
- Panel Size: 19"/ 48cm
- Effective viewing area: 376.3 x 301.1 mm
- Pixel pitch: 0.294 x 0.294 mm
- Brightness: 300 cd/m²
- Contrast ratio (typical): 700:1
- Display colors: 16.2 M
- Viewing angle: @ C/R > 5
- Viewing angle (H / V): 176 / 170 degree
- Response time (typical): 8 ms
- White Chromaticity, 6500K: x = 0.313 / y = 0.329
- White Chromaticity, 9300K: x = 0.283 / y = 0.297
- Maximum Resolution: 1280 x 1024 @ 75 Hz (digital input)
- Optimum resolution: 1280 x 1024 @ 60 Hz (digital input)
- Video Dot Rate: 140 MHz
- Horizontal Scanning Frequency: 30 - 83 kHz
- Vertical Scanning Frequency: 56 - 76 Hz
- sRGB

Connectivity
- Signal Input: VGA (Analog), DVI-D, PC Audio in
- Audio output: Stereo Audio (3.5 mm jack) 1x
- USB: USB 2.0 x 1
- Sync Input: Composite Sync, Separate Sync, Sync on Green
- Video input impedance: 75 ohm
- Sync input impedance: 2.2k ohm
- Video input signal levels: 0.7 Vpp

Convenience
- Built-in Audio: 2W RMS x 2 stereo speakers
- User convenience: On-screen Display, SmartManage enabled
- Monitor Controls: Auto, Brightness Control (Up/ Down), Left/Right, Menu (OK), Power On/Off, Volume control
- OSD Languages: English, French, German, Italian, Russian, Spanish
- Other convenience: Kensington lock compatible
- Plug & Play Compatibility: DDC/CI, sRGB, Windows 98/ME/2000/XP/Vista
- Regulatory approvals: CE Mark, EMC, Energy Star, FCC-B, UL, CSA, SEMKO, TCO '03, TÜV/GS, TÜV Ergo
- Swivel: +/- 60°
- Tilt: -5° to 25°
- VESA Mount: 100 x 100 mm

Accessories
- Included accessories: AC Power Cord, Audio Cable, USB cable, VGA cable
- Optional accessories: Super Ergo Base
- User Manual

Dimensions
- Box dimensions (W x H x D): 503 x 198 x 507 mm
- Box dimensions in inch (W x H x D): 19.8 x 7.8 x 20 inch
- Set dimensions (W x H x D): 422 x 374.2 x 68.7 mm
- Set dimensions in inch (W x H x D): 16.6 x 14.7 x 2.7 inch
- Set dimensions with stand (W x H x D): 422 x 405 x 198.8 mm
- Set dimensions with stand in inch (W x H x D): 16.6 x 15.9 x 7.8 inch
- Height adjustment range: 60 mm
- Height adjustment range (inch): 2.4 inch
- MTBF: 50,000 hrs
- Relative humidity: 20% - 80%
- Temperature range (operation): 5°C to 40°C
- Temperature range (storage): -20°C to 60°C
- Product weight (+stand): 6.14 kg
- Product weight (+stand) (lb): 13.5 lb
- Weight incl. Packaging: 7.55 kg
- Weight incl. Packaging (lb): 16.6 lb

Power
- Complies with: Energy Star
- Consumption (On mode): 40 W (Typical)
- Consumption (Off Mode): < 1 W
- Power LED indicator: Operation - green, Stand by/ sleep - Amber
- Power supply: Built-in, 100-240VAC, 50/60Hz

Issue date 2017-07-28

Version: 7.0.13

12 NC: 8639 000 16898
EAN: 87 10895 96817 1

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