ComX Computers
Product Specification Sheet

MNPH231B4QPYCB/73

Philips MNPH231B4QPYCB LED 23" wide Monitor

Product Overview

Philips MNPH231B4QPYCB LED 23" wide Monitor, Aspect Ratio: 16:9, Resolution: 1920 x 1080p, Brightness: 250cd, Contrast: 20 000 000:1, Response time: 5ms, Power: 15.3w, Inputs: DVI-D & VGA & DISPLAY PORT, Colour: Black Texture, Extras: LED, Power sensor reduces usage when no one is in front of screen, Height Adjustable stand 110mm, Pivot feature,2 x USB port, Speakers.



Specifications

Features:

IPS technology for full colors and wide viewing angles
IPS displays use an advanced technology which gives you extra wide viewing angles of 178/178 degree, making it possible to view the display from almost any angle - even in 90 degree Pivot mode! Unlike standard TN panels, IPS displays gives you remarkably crisp images with vivid colors, making it ideal not only for Photos, movies and web browsing, but also for professional applications which demand color accuracy and consistent brightness at all times.

SmartErgoBase enables people-friendly ergonomic adjustments
The SmartErgoBase is a monitor base that delivers ergonomic display comfort and provides cable management. The base's people-friendly height, swivel, tilt and rotation angle adjustments position the monitor for maximum comfort that can ease the physical strains of a long workday; cable management reduces cable clutter and keeps the workspace neat and professional.

Low bezel-to-table height for maximum reading comfort
The Philips monitor, thanks to its advanced SmartErgoBase, can be lowered down almost to desk level for a comfortable viewing angle. Low bezel-to-table height is the perfect solution if you use bifocals, trifocals or progressive lens glasses for your computing work. Additionally, it allows for users with greatly different heights to use the monitor in their preferred angle and height settings, helping them reduce fatigue and strain.

SmartImage presets for easy optimized image settings
SmartImage is an exclusive leading edge Philips technology that analyzes the content displayed on your screen and gives you optimized display performance. This user friendly interface allows you to select various modes like Office, Photo, Movie, Game, Economy etc., to fit the application in use. Based on the selection, SmartImage dynamically optimizes the contrast, color saturation and sharpness of images and videos for ultimate display performance. The Economy mode option offers you major power savings. All in real time with the press of a single button!

PowerSensor saves up to 80% energy costs
PowerSensor is a built-in 'people sensor' that transmits and receives harmless infrared signals to determine if user is present and automatically reduces monitor brightness when user steps away from the desk, cutting energy costs by up to 80 percent and prolonging monitor life

DisplayPort offers audio and video over a single, long cable
DisplayPort is a digital link from PC to Monitor without any conversion. With higher capabilities than DVI standard, it is fully capable to support up to 15meter cables and 10.8 Gbps/sec data transfer. With this high performance and zero latency, you get the fastest imaging and refresh rates - making DisplayPort the best choice for not only general office or home use, but also for the demanding gaming and movies, video editing and more. It also keeps interoperability in mind via use of various adapters.

Built-in stereo speakers for multimedia
A pair of high quality 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.

USB Hub with 2 ports for easy connections
USB Hub 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 Hub 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 Hub can provide.

65% post consumer recycled plastics with TCO Edge
TCO Edge certification is given to products which go beyond existing eco-labeling programs. Over and above standard TCO requirements, it further mandates that the product uses minimum 65% of post consumer recycled plastics, is energy efficient, uses minimal hazardous materials, has 100% recyclable packaging, and is designed for easy recycling amongst other requirements. You can rest assured that this Philips monitor is a cutting edge technology product which is best in class ICT, benefitting you and the planet while helping you make a responsible green IT purchase!

Zero power consumption with 0 watt hard switch
At the flick of the 0 watt hard switch which is conveniently located at the back, you can completely cut-off your monitor from AC power. This results in zero power consumption reducing your carbon footprint even further

Specifications:

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Specifications	
Product Code	MNPH231B4QPYCB/73
Picture/Display	
LCD panel type	IPS LCD
Backlight type	W-LED system
Panel Size	23 inch / 58.4 cm
Effective viewing area	509.18 (H) x 286.41 (V)
Aspect ratio	16:9
Optimum resolution	1920 x 1080 @ 60Hz

Response time (typical)	7 ms (GTG_BW)
Brightness	250 cd/m²
Contrast ratio (typical)	1000:1
SmartContrast	20, 000, 000:1
Pixel pitch	0.265 x 0.265 mm
Viewing angle	178º (H) / 178º (V)
	@ C/R > 10
Picture enhancement	SmartImage
Display colors	16.7 M
Scanning Frequency	30 - 83 kHz (H) / 56 - 75 Hz (V)
sRGB	Yes
Stand	
Height adjustment	110 mm
Pivot	90 degree
Swivel	-65/65 degree
Tilt	-5/20 degree
Power	
ECO mode	13.7 W (typ.)
On mode	20.2 W (typ.) (EnergyStar 6.0 test method)
Standby mode	
Off mode	Zero watts with AC switch
Power LED indicator	Operation - White
	Standby mode- White (blinking)
Power supply	100-240VAC, 50-60Hz
	Built-in
Operating conditions	
Temperature range (operation)	0 degreesC to 40 degreesC degreesC
Temperature range (storage)	-20 degreesC to 60 degreesC degreesC
Relative humidity	20%-80 %
Altitude	Operation: +12, 000ft (3, 658m), Non-operation: +40, 000ft (12, 192m)
MTBF	30,000 (backlight) hour(s)
Compliance and standards	

Regulatory Approvals	BSMI
	CE Mark
	cETLus
	FCC Class B
	GOST
	SASO
	SEMKO
	TCO 6.0
	TUV Ergo
	TUV/GS
	WEEE
Connectivity	
Signal Input	DisplayPort
	DVI-D (digital, HDCP)
	VGA (Analog)
USB	USB 2.0 x 2
Sync Input	Separate Sync
	Sync on Green
Audio (In/Out)	PC audio-in
	Headphone out
Convenience	
Built-in Speakers	1.5W x 2
User convenience	SmartImage
	Volume
	PowerSensor
	Menu
	Power On/Off
Control software	SmartControl Premium
OSD Languages	English
	French
	German
	Italian
	Portuguese
	Russian
	Simplified Chinese
	Spanish

Other convenience	Kensington lock
	VESA mount (100x100mm)
Plug & Play Compatibility	DDC/CI
	Mac OS X
	sRGB
	Windows 8.1 / 8 / 7
Dimensions	
Product with stand(max height)	547 x 507 x 227 mm
Product without stand (mm)	547 x 343 x 60 mm
Packaging in mm (WxHxD)	620 x 401 x 167 mm
Weight	
Product with stand (kg)	5.70 kg
Product without stand (kg)	3.90 kg
Product with packaging (kg)	7.82 kg
Sustainability	
Environmental and energy	PowerSensor
	EnergyStar 6.0
	EPEAT Gold
	TCO edge
	RoHS
Recyclable packaging material	100 %
Post consumer recycled plastic	0.65
Specific Substances	PVC / BFR free housing
	Mercury free
	Lead free
Cabinet	
Front bezel	Black
Rear cover	Black
Foot	Black
Finish	Texture

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx-computers.co.za/MNPH231B4QPYCB-73-Philips-MNPH231B4QPYCB-LED-23-wide-Monitor-p-152910.php

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