Datasheet

NEC MultiSync® EA223WM features an extremely thin LED backlight panel which results in an ultra-modern and slim design in combination with a premium feature set for the corporate office use. Ambient Light and Human Sensors enforce the sustainable product concept while offering improved ergonomics with 130 mm height adjustability. Moreover the display offers broad connectivity with three inputs DisplayPort, DVID and D-Sub.

Ideal for the corporate that demand style and future proof technology.

Benefits

Ambient Light Sensor – with Auto Brightness function always sets optimised brightness level according to ambient light and content conditions.

Ergonomic Office – full height adjustability (130 mm), tilt and flat mode ensures perfect individual ergonomic set-up.

Feature Set for Perfect Office Use – Integrated Speakers, headphone jack and USB Hub provide excellent options for office communication.

Green Product Concept – Eco Mode and Carbon Footprint Meter / Carbon Savings Meter, Ambient Light Sensor.

Human Sensor – detects the presence of a person in front of the screen; display switches on/off automatically depending on the presence of the user.

Image display – 22inch 16:10 TN with LED backlight.

Vesa Mount (100 mm) – allows to install the monitor via various mounting solutions.

Cost Saving Device Management – save effort whilst managing all connected NEC devices from a centralised location by using the NaViSet Administrator 2 software tool.

Product Information

Product Name	NEC MultiSync® EA223WM
Product Group	LCD 22" Enterprise Display
Order Code	60003294 (BK), 60003293 (WH)

Display

Panel Technology	W-LED TN TFT
Screen Size [inch/cm]	22 / 56
Screen Aspect Ratio	16:10
Pixel Pitch [mm]	0.282
Brightness (typ.) [cd/m²]	250
Contrast Ratio (typ.)	1000:1 (25000:1 dynamic contrast ratio)
Viewing Angle [°]	170 horizontal / 160 vertical (typ. at contrast ratio 10:1); 178 horizontal / 178 vertical (typ. at contrast ratio 5:1)
Response Time (typ.) [ms]	5
Colours [Mio.]	16.7

Synchronisation Rate

Horizontal Frequency [kHz]	31.5 - 82.3
Vertical Frequency [Hz]	56 - 75

Resolution

Optimum Resolution	1680 x 1050 at 60 Hz			
Supported	1680 x 1050;	1366 x 768;	1280 x 960;	1024 x 768;
	1440 x 900;	1360 x 768;	1280 x 768;	800 x 600;
	1400 x 1050;	1280 x 1024;	1280 x 720;	640 x 480

Connectivity

Digital	1 x DisplayPort; 1 x DVI-D (with HDCP); USB ver. 2.0 (4 down / 1 up)
Analog	1 x mini D-sub 15 pin

Electrical

Power Consumption on Mode [W]	12 (Eco Mode); 19 (typ.); 25 (max.)
Power Savings Mode [W]	< 0.5
Power Supply	internal power supply

Environmental Conditions

Operating Temperature [°C]	+5 to +35
Operating Humidity [%]	20 to 80

Ergonomics

Height adjustable Stand [mm]	130
Screen Tilt [°]	-5 to +30
Screen Tilt / Swivel [°]	-170 to +170
Screen Rotate [°]	0 to 90 (landscape to portrait mode)

Mechanical

Dimensions (W x H x D) [mm]	503.5 x 384 x 218

Weight [kg]	5.6
VESA Mounting [mm]	100 x 100

Additional Features

Special Characteristics	Carbon Footprint Meter; Carbon Savings Meter; ControlSync®; Customize Setting; ErgoDesign®: Height adjustable stand (110 mm) with 90° Pivot features; NaViSet Administrator 2; sRGB Support; USB ver. 2.0 (4 down / 1 up); Versatile and easy installation (VESA standard) with NaViSet and NaViKey; WindowsVistaCertifiedLogo
Cable Management	yes
Kensington security slot	yes
Plug and Play	VESA DDC2B; VESA DDCi
Audio	Headphone Jack; Integrated Speakers (1 W + 1 W)
Adjust Functions	Audio Volume / Lock-Out; Auto Adjust; Brightness; Colour Temperature Control; Contrast; Control Sync; DV Mode; EcoMode; Fine Adjust (analog); Human Sensing; Intelligent Power Management; Language Select; LED Brightness; Monitor Information; NTAA (Non-Touch-Auto-Adjustment); On-Screen-Display (OSD) lock-out; One Touch Recovery; Power-Off Timer; sRGB
Shipping Content	Control Sync Cable; DisplayPort cable; Monitor; Power Cable; Setup Guide; USB Cable
Safety and Ergonomics	CE; FCC Class B; GEEA/Energy Label; ISO 9241-307 (pixel failure class I); MPR III; PCT/Gost; RoHS; TÜV Ergonomics; TÜV GS; UL/C-UL or CSA
Warranty	3 years warranty incl. backlight

Green Features

Energy Efficiency	Ambient light sensor; Human sensor; Intelligent Power Management
Ecological Materials	Downloadable manuals

CE	FCC Class B	GEEA/Energy Label	MPR III	PCT/Gost	RoHS

TÜV Ergonomics	TÜV GS