\Orchestrating a brighter world

MultiSync® E245WMi

NEC LCD 24" Commercial Display

Datasheet





Combining maximum flexibility with health-conscious performance

With the MultiSync® E245WMi, adjusting your monitor to your personal preferences has never been simpler, smarter or healthier. The built-in Low Blue Light Plus technology protects your eyes and well-being. It filters out only the hazardous blue light emissions and eliminates flickering, keeping the eye safe while ensuring a true-to-life display colour performance. Highly flexible ergonomic setting options including height adjust, tilt, and swivel as well as vertical and horizontal display orientation result in a more pleasing and productive work environment. The LED backlight panel with PLS technology supports a high display brightness of 250 cd/m² as well as an accurate colour from all viewing angles at a lower cost in power consumption at the same time. The huge display surface of over 60 cm with a 16:10 aspect ratio is ideal for handling huge amounts of information efficiently.

Benefits

Protecting your eyes from strain and damage built-in Low Blue Light Plus technology filters out hazardous blue light emissions and eliminates flickering protecting your eyes against cataracts and macular degeneration without compromise to true-to-life display colour performance.
Ergonomic Office full height adjustability (110 mm), swivel, tilt and pivot functionality ensures perfect individual ergonomic set-up.
Easy Transportation - larger monitors can be cumbersome to deploy buth the integrated handle provides a convenient aid for handling and lifting, reducing the possibilty of causing damage to the LCD front surface.
Highly flexible connectivity - display can be used with two digital (DVI-D, DisplayPort) and one analogue input.
Excellent image quality - PLS technology guarantees the best viewing experience and a crisp image display from any viewing angle.
Minimize power consumption - achieve minimum 20% carbon footprint savings using the 50% brightness setting in Eco Mode measurable through the Carbon Footprint meter
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	MultiSync® E245WMi
Product Group	NEC LCD 24" Commercial Display
Order Code	60004148 (WH), 60004113 (BK)

Display

Panel Technology	IPS TFT with W-LED backlight
Screen Size [inch/cm]	24 / 61.13
Screen Aspect Ratio	16:10
Pixel Pitch [mm]	0.270
Brightness (typ.) [cd/m²]	250
Contrast Ratio (typ.)	1000:1
Viewing Angle [°]	178 horizontal / 178 vertical (typ. at contrast ratio 10:1)
Response Time (typ.) [ms]	6 (grey-to-grey)
Colours [Mio.]	16.7

Synchronisation Rate

Horizontal Frequency [kHz]	31.5 - 77
Vertical Frequency [Hz]	56 - 60

Resolution

Optimum Resolution	1920 x 1200 at 60 Hz
Supported	1920 x 1200; 1920 x 1080; 1680 x 1050; 1600 x 1200; 1440 x 900; 1400 x 1050; 1366 x 768; 1360 x 768; 1280 x 1024; 1280 x 960; 1280 x 768; 1024 x 768; 800 x 600; 640 x 480

Connectivity

Digital	1 x DisplayPort; 1 x DVI-D (with HDCP)
Analog	1 x mini D-sub 15 pin

Electrical

Power Consumption on Mode [W]	16 (Eco Mode); 21 (typ.); 24 (max.)
Power Savings Mode [W]	0.26
Power Supply	100-120 V/220-240 V; integrated power supply

Environmental Conditions

Operating Temperature [°C]	+5 to +35
Operating Humidity [%]	20 to 80
Storage Humidity [%]	10 to 85
Storage Temperature [°C]	-10 to 60

Ergonomics

Height adjustable stand [mm]	110
Screen Tilt / Swivel [°]	-5 to +20; -45 to +45
Screen Rotate [°]	0 to 90 (landscape to portrait mode)

Mechanical

Bezel Width [mm]	17.8 (top and bottom); 17.9 (left and right)
Dimensions (W x H x D) [mm]	556.2 x 394.2 x 213.9; Without stand: 556.2 x 361.6 x 58.6
Weight [kg]	5.9
VESA Mounting [mm]	100 x 100

Additional Features

Special Characteristics	24" (16:10) Highly efficient IPS panel with LED backlight saves more than 30 % energy; Carbon Footprint Meter; Carbon Savings Meter; EcoModes; ErgoDesign®: Height adjustable stand (110 mm) with 90° Pivot features; NaViSet Administrator 2; sRGB Support; TORO™ Design; Windows 7 and 8 compatible
Colour Versions	Black Front Bezel, Black Back Cabinet; White Front Bezel, White Back Cabinet
Cable Management	yes
Kensington security slot	yes
Plug and Play	VESA DDC2B
Audio	Headphone Jack; Integrated Speakers (1 W + 1 W)
Adjust Functions	Auto Adjust; Brightness; Carbon Footprint Meter / Carbon Savings Meter; Contrast; DV Mode; EcoMode; Language Select
Shipping Content	Audio Cable; Monitor; Power Cable; Setup Guide Signal Cable: [value1] x DVI-D; VGA - VGA
Safety and Ergonomics	CE; EAC; EnergyStar 7.0; FCC Class B; ISO 9241-307 (pixel failure class 2); ISO 9241-307 (pixel failure class I); MPR III; PSB; RoHS; TCO 7.0; TÜV Ergonomics; TÜV GS
Warranty	3 years warranty incl. backlight
Optional Accessories	Mini-PC Bracket

Green Features

Energy Efficiency	Carbon Footprint Meter / Carbon Savings Meter; ECOMode; Energy efficiency class: A+; LED backlight technology
Ecological Materials	Downloadable manuals
Ecological Standards	Energy Star 6.0; ErP compliant; RoHS compliant; TCO 6.0; WEEE

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