

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 both the integrated handle provides a convenient aid for handling and lifting, reducing the possibility 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/m ²] | 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

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

Resolution

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|--------------------|--|
| 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

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

Electrical

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|-------------------------------|--|
| 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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