

NEC MultiSync® E Series

Eco-friendly desktop LCD monitors ideal for corporate environments

Elevate the eco-friendliness of your work environment. The NEC MultiSync E Series, featuring LED-backlit, widescreen LCD displays, raises the standard for “green” computing. Compared to previous generation NEC LCDs, these models consume less power overall, radiate less heat, use less packaging, weigh less and utilize more recycled plastics in their production.

It's easy to be green. The MultiSync E Series is loaded with features that promote environmental consciousness. These displays consume less power by using energy-efficient LED backlighting, also utilize ECO Mode™, Intelligent Power Manager (IPM), an off timer and an ambient light sensor that automatically dims the screen to further reduce energy consumption. In addition, these models tout a built-in carbon footprint meter that tracks the conservation of green gas emissions and are free of hazardous materials such as mercury and arsenic.



A new perspective on productivity. These displays' wide-format screens (16:9 and 16:10 aspect ratios) provide roughly the same work area as two smaller-sized LCD screens, allowing you to work simultaneously in multiple/side-by-side application windows (All models except E171M). This functionality, combined with contrast ratios of up to 25,000:1 (dynamic), full connectivity with a DisplayPort input and an ergonomic design, allows the MultiSync E Series to deliver the best in form and function to your desktop.

Highlights

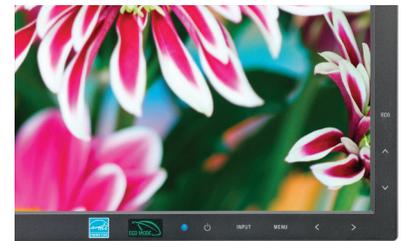
- **LED backlight technology** provides for industry-leading low power consumption and less hazardous materials
- **Four-way ergonomic stand** boasts pivot, tilt, swivel and height adjustment to maximize your viewing comfort (E171M - tilt and height)
- **Displayport input** provides expanded connectivity with advanced technology (Widescreen models)
- **Ambient light sensor** minimizes power consumption by automatically adjusting the brightness to the optimal setting depending on ambient lighting, screen content or both (Widescreen models)
- **ECO Mode*** allows you to manually adjust the display's brightness to two preset settings, including ENERGY STAR®, saving more power and reducing your energy costs
- **Intelligent Power Manager (IPM) system and off timer** provide innovative, power-saving methods and reduce CO₂ emissions by shifting to a lower power consumption level or automatically powering down when the monitor is on but not in use
- **Carbon footprint meter** helps track and calculate the reduction of green gas emissions, while the resettable cost meter (via On Screen Display) indicates electricity cost savings based on currency settings
- **Dynamic Video Mode** enhances video and images with real-time optimization of brightness, color and contrast
- **Compact packaging** helps reduce paper usage, shipping costs and waste
- **EPEAT Silver compliance** ensures the displays reduce hazardous waste and electricity usage, resulting in lower energy costs and increased protection for the environment
- **ENERGY STAR 6.0 compliance** reduces electrical costs and lowers total cost of ownership
- **NEC Display Solutions' quality and reliability** provide peace of mind with a 3-year limited parts and labor warranty (including backlight) and unrivaled customer service and technical support

Specifications for MultiSync E171M/E201W/E223W/E224Wi/E231W/E243Wmi

MODEL	E171M	E201W	E223W	E224Wi	E231W	E243Wmi
DISPLAY						
Panel Technology	TN			AH-IPS	TN	AH-IPS
Backlight Type	W-LED					
Viewable Image Size	17"	20.1"	22"	21.5"	23"	23.8"
Aspect Ratio	5:4	16:9	16:10		16:9	
Native Resolution	1280x1024	1600 x 900	1680 x 1050		1920 x 1080	
Pixel Pitch	0.26mm	0.28mm	0.28mm	0.25mm	0.27mm	0.28mm
Pixels Per Inch	96 @ native resolution		90 @ native resolution	102 @ native resolution	96 @ native resolution	93 @ native resolution
Brightness (typical)	250 cd/m ²					
Contrast Ratio (typical)	1000:1 (25,000: dynamic)					
Viewing Angle (typical)	170° Vert., 176° Hor. (85U/85D/88L/88R) @ CR>5	178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>5		178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>10	170° Vert., 176° Hor. (85U/85D/88L/88R) @ CR>10	178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>10
Response Time (typical)	5ms			6ms	5ms	
Displayable Colors	More than 16.7 million					
Synchronization Range						
Horizontal (Analog/Digital)	31.5-81.1kHz	31.5-82.3 kHz		31.5-81.1 kHz	31.5-83 kHz	31.5-81.1 kHz
Vertical	45-76Hz	56-75 Hz	56-75 Hz	56-76 Hz	56-75 Hz	56-76 Hz
Input Signal						
Video	Analog RGB 0.7 Vp-p/75 Ohms					
Sync	Separate Sync: TTL Level (Positive/Negative); Composite Sync: TTL Level (Positive/Negative); Composite Sync on Green: (0.3Vp-p negative 0.7Vp-p positive)					
Input Connectors	DVI-D and VGA 15-pin D-sub	DisplayPort, DVI-D, VGA 15-pin D-sub				
POWER CONSUMPTION						
On (typical)	12W	28W	24W	26W	28W	19W
Power Savings Mode (typical)	0.15W	0.34W	0.35W	0.4W	0.34W	0.4W
PHYSICAL SPECIFICATIONS						
Dimensions (WxHxD)						
Net (with stand)	14.5 x 14.1-16.1 x 9.1 in. / 368 x 358.5-408.5 x 230mm	18.8 x 14.1-18.5 x 8.4 in. / 477 x 359.3-469.3 x 213.9mm	19.8 x 15.1-19.4 x 8.4 in. / 503.5 x 383.3-493.3 x 213.9mm	20 x 14.4-18.7 x 8.4 in. / 507.4 x 364.5-474.5 x 213.9mm	21.7 x 15-19.4 x 8.4 in. / 551.2 x 381-492.8 x 213.4mm	22.0 x 14.9-19.3 x 8.4 in. / 557.8 x 379.6-489.6 x 213.9mm
Net (without stand)	14.5 x 12.6 x 2.4 in. / 368 x 320.5 x 61mm	18.8 x 11.2 x 2.2 in. / 477 x 285.6 x 55mm	19.8 x 13.0 x 2.4 in. / 503.5 x 329.7 x 60.5mm	20 x 11.9 x 2.3 in. / 507.4 x 301.1 x 58.5mm	21.7 x 13 x 2.8 in. / 551.2 x 330.2 x 71.1mm	22.0 x 13.0 x 2.3 in. / 557.8 x 331.4 x 58.5 mm
Weight						
Net (with stand)	9.3 lbs / 4.2 kg	11.9 lbs. / 5.4 kg	10.8 lbs. / 4.9 kg	13.0 lbs. / 5.9 kg	13.7 lbs. / 6.2 kg	13.9 lbs. / 6.3 kg
Net (without stand)	6.6 lbs. / 3.0 kg	7.6 lbs. / 3.4 kg	7.1 lbs. / 3.2 kg	8.6 lbs. / 3.9 kg	9.3 lbs. / 4.2 kg	9.5 lbs. / 4.3 kg
VESA Hole Configuration	100 x 100mm					
ENVIRONMENTAL CONDITIONS						
Operating Temperature	41-95°F / 5-35°C					
Operating Humidity	20 - 80%					
Operating Altitude	6562 ft. / 2000m					
Storage Temperature	14-140°F / -10-60°C					
Storage Humidity	10-85%					
Storage Altitude	40,000 ft. / 12,192m					
ENVIRONMENTAL COMPLIANCE						
ENERGY STAR	6.0					
TCO	6.0	5.0		6.0	5.0	6.0
EPEAT	Silver					
RoHS	Yes					
LIMITED WARRANTY	3 years parts and labor, including backlight*					
ADDITIONAL FEATURES	Auto brightness with ambient light sensor (select models); ECO Mode; Carbon footprint meter; Resettable cost meter; Thin frame; Tilt; Swivel; Pivot; Height-adjustable stand; Carrying handle; Rapid Response; Ambix; XtraView; OSD* user controls; OSD Lock Out; NaViKey; NaViSet software; Hot key; Cable management; ControlSync™; Customize setting; NaViSet™ Administrator 2; VESA mount; HDMI-capable via DVI adapter; HDCP; DDC/CI; No Touch Auto Adjust; Plug and Play (VESA DDC 2B); VESA DPMS power management; Dynamic Video Mode; AccuColor color control; Digital smoothing; Digital controls; ISO 9241-307 Class I; Windows 7- and 8-certified					
SHIPS WITH	Setup sheet; User manual; Power cord; 15-pin D-sub cable; DVI-D cable					



Ergonomic capabilities



Touch-sensitive OSD controls (select models)



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