

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. 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
- **Displayport input** provides expanded connectivity with advanced technology
- **Ambient light sensor** minimizes power consumption by automatically adjusting the brightness to the optimal setting depending on ambient lighting, screen content or both
- **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 (E223W)
- **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

The MultiSync E Series features pivot capabilities (A) and a height-adjustable stand (up to 110mm) (B), allowing you to create an ideal ergonomic display orientation for maximum viewing comfort. A built-in, recessed handle (C) also makes the displays easily transportable. A wide array of inputs (D) includes DisplayPort for wide connectivity and optimal performance, while the touch-sensitive OSD controls (E) are integrated into the bezel.



Specifications for MultiSync E201W/E223W/E231W

MODEL	E201W	E223W	E231W
DISPLAY			
Panel Technology	TN		
Backlight Type	W-LED		
Viewable Image Size	20.1"	22"	23"
Aspect Ratio	16:9	16:10	16:9
Native Resolution	1600 x 900	1680 x 1050	1920 x 1080
Pixel Pitch	0.28mm	0.28mm	0.7mm
Pixels Per Inch	96 @ native resolution	90 @ native resolution	96 @ native resolution
Brightness (typical)	250 cd/m ²		
Contrast Ratio (typical)	1000:1 (25,000: dynamic)		
Viewing Angle (typical)	178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>5		170° Vert., 176° Hor. (85U/85D/88L/88R) @ CR>10
Response Time (typical)	5ms		
Displayable Colors	More than 16.7 million		
Synchronization Range			
Horizontal (Analog/Digital)	31.5-82.3 kHz		31.5-83 kHz
Vertical	56-75 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	DisplayPort, DVI-D, VGA 15-pin D-sub		
POWER CONSUMPTION			
On (typical)	28W	24W	28W
Power Savings Mode (typical)	0.34W	0.35W	0.34W
PHYSICAL SPECIFICATIONS			
Dimensions (WxHxD)			
Net (with stand)	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	21.7 x 15-19.4 x 8.4 in. / 551.2 x 381-492.8 x 213.4mm
Net (without stand)	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	21.7 x 13 x 2.8 in. / 551.2 x 330.2 x 71.1mm
Weight			
Net (with stand)	11.9 lbs. / 5.4 kg	10.8 lbs. / 4.9 kg	13.7 lbs. / 6.2 kg
Net (without stand)	7.6 lbs. / 3.4 kg	7.1 lbs. / 3.2 kg	9.3 lbs. / 4.2 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	5	6	5
TCO	5	6	5
EPEAT	Silver		
RoHS	Yes		
LIMITED WARRANTY			
3 years parts and labor, including backlight*			
ADDITIONAL FEATURES			
Auto brightness with ambient light sensor; 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; NaViKey; NaViSet software; Cable management; 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			



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