NEC MultiSync® E Series

Eco-friendly desktop LCD monitors ideal for corporate environments

ECO MODE

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. The 20" E201W and 23" E231W, which 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 (E201W & E231W) and an ergonomic design, allows the MultiSync E Series to deliver the best in form and function to your desktop.

Features & Benefits

LED backlight technology provides for industry-leading low power consumption and less hazardous materials (E201W & E231W)

Height-adjust, pivot, tilt and swivel capabilities add flexibility and comfort to your viewing preferences

DisplayPort input provides expanded connectivity with advanced technology (E201W & E231W)

Ambient light sensor minimizes power consumption by automatically adjusting the brightness to the optimal setting depending on ambient lighting, screen content or both (E201W & E231W)

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 CO_2 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 conservation of green gas emissions via OSD® and NaViSet™ Administrator

Dynamic Video Mode enhances video and images with real-time optimization of brightness, color and contrast

Built-in, multi-directional NaViKey™ allows for easy screen setting adjustments

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 5.0 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

NEC

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 (E201W & E231W).

A

B

C

D

Model	MultiSync E201W	MultiSync E222W	MultiSync E231W
Display			
Viewable Image Size	20"	22"	23"
Aspect Ratio	16:9	16:10	16:9
Pixel Pitch	0.277mm	0.282mm	0.265mm
Pixels Per Inch	96 @ native resolution	90 @ native resolution	96 @ native resolution
Brightness (typical)	250 cd/m²	250 cd/m²	250 cd/m²
Contrast Ratio (typical)	1000:1 (25,000:1 dynamic)	1000:1	1000:1
Viewing Angle (typical)	178° Vert., 178° Hor. (89U/89D/89L/89R) (CR > 5)	178° Vert., 178° Hor. (89U/89D/89L/89R) (CR > 5)	170° Vert., 176° Hor. (85U/85D/88L/88R) (CR > 5)
Response Time (typical)	Rapid Response (5ms)	Rapid Response (5ms)	Rapid Response (5ms)
Display Colors	More than 16.7million	More than 16.7million	More than 16.7million
Synchronization Range			
Horizontal	31.5-82.3 KHz (Analog/ Digital)	31.5-82.3 KHz (Analog/ Digital)	31.5-83 KHz (Analog/ Digital)
Vertical	56-75Hz (Analog/Digital)	56-75Hz (Analog/Digital)	56-75Hz (Analog/Digital)
Input Signal			
Video	Analog 0.7 Vp-p / 75 Ohms	Analog 0.7 Vp-p / 75 Ohms	Analog 0.7 Vp-p / 75 Ohms
Sync	Separate Sync: TTL Level (positive/negative)	Separate Sync: TTL Level (positive/negative)	Separate Sync: TTL Level (positive/negative)
Inputs	DisplayPort, DVI-D and VGA 15-pin D-Sub	DVI-D and VGA 15-pin D-Sub	DisplayPort, DVI-D and VGA 15-pin D-Sub
Resolutions Supported (Analog/Digital)	720 x 400 @ 70 Hz 640 x 480 @ 60-75 Hz 800 x 600 @ 56-75 Hz 832 x 624 @ 75 Hz 1024 x 768 @ 60-75 Hz 1152 x 864 @ 75 Hz 1152 x 870 @ 75 Hz 1280 x 720 @ 60 Hz 1280 x 768 @ 60-75 Hz 1280 x 960 @ 60-75 Hz 1280 x 1024 @ 60-75 Hz 1360 x 768 @ 60 Hz 1366 x 768 @ 60 Hz 1440 x 900 @ 60 Hz 1440 x 1050 @ 60-75 Hz 1600 x 1200 @ 60 Hz 1680 x 1050 @ 60 Hz 1920 x 1080 @ 60 Hz	720 x 400 @ 70 Hz 640 x 480 @ 60-75 Hz 800 x 600 @ 56-75 Hz 832 x 624 @ 75 Hz 1024 x 768 @ 60-75 Hz 1152 x 864 @ 75 Hz 1152 x 870 @ 75 Hz 1280 x 960 @ 60-75 Hz 1280 x 1024 @ 60-75 Hz 1360 x 768 @ 60 Hz 1440 x 900 @ 60-75 Hz 1440 x 1050 @ 60-70 Hz 1680 x 1050 @ 60 Hz	720 x 400 @ 70 Hz 640 x 480 @ 60-75 Hz 800 x 600 @ 56-75 Hz 832 x 624 @ 75 Hz 1024 x 768 @ 60-75 Hz 1152 x 864 @ 75 Hz 1152 x 870 @ 75 Hz 1280 x 720 @ 60 Hz 1280 x 768 @ 60-75 Hz 1280 x 960 @ 75 Hz 1280 x 1024 @ 60-75 Hz 1360 x 768 @ 60 Hz 1366 x 768 @ 60 Hz 1440 x 900 @ 60 Hz 1680 x 1050 @ 60 Hz 1600 x 1200 @ 60 Hz 1920 x 1080 @ 60 Hz
Native Resolution	1600 x 900 @ 60 Hz	1680 x 1050 @ 60 Hz	1920 x 1080 @ 60 Hz
Additional Features	Auto brightness with ambient light sensor, thin-frame (bezel), widescreen format, carrying handle, NaViKey, height-adjustable stand (110mm), pivot, tilt, swivel, No Touch Auto Adjust, cable management, AccuColor color control, digital smoothing, digital controls, DDC/CI, NaViSet software, Plug and Play (VESA DDC 2B), VESA DPMS power management, OSD user controls, ISO 9241-307 Class I, Windows 7-certified, Dynamic Video Mode, HDCP, ECO Mode, carbon meter, resettable cost meter, EPEAT Silver, ENERGY STAR 5.0, TCO 5.0, RoHs compliancy	Thin-frame (bezel), widescreen format, carrying handle, NaViKey, height-adjustable stand (110mm), pivot, tilt, swivel, No Touch Auto Adjust, cable management, AccuColor color control, digital smoothing, digital controls, DDC/CI, NaViSet software, Plug and Play (VESA DDC 1/2B), VESA DPMS power management, OSD user controls, ISO 13406-2 Class II, Windows Vista Premium-certified, Dynamic Video Mode, HDCP, ECO Mode, carbon meter, EPEAT Silver, ENERGY STAR 5.0, TCO 5.0, RoHs compliancy	Auto brightness with ambient light sensor, thin-frame (bezel), widescreen format, carrying handle, NaViKey, height-adjustable stand (110mm), pivot, tilt, swivel, No Touch Auto Adjust, cable management, AccuColor color control, digital smoothing, digital controls, DDC/CI, NaViSet software, Plug and Play (VESA DDC 1/2B), VESA DPMS power management, OSD user controls, ISO 13406-2 Class II, Windows Vista Premium-certified, Dynamic Video Mode, HDCP, ECO Mode, carbon meter, EPEAT Silver, ENERGY STAR 5.0, TCO 5.0, RoHs compliancy
Voltage Rating	AC 100-120V / AC 220-240V	AC 100-120V / AC 220-240V	AC 100-120V / AC 220-240V
Power Consumption			
Typical	25W	26W	28W
Power Savings Mode	0.42W	0.5W	0.34W
ECO Mode ON	18W	21W	23W
Dimensions (W x H x D)			
Net (with stand)	18.8 x 14.1-18.5 x 8.4 in. / 477 x 359.3-469.3 x 213.9mm	20 x 15.1-19.5 x 8.4 in. / 508 x 383.5-495.3 x 213.4mm	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	20 x 13.1 x 2.8 in. / 508 x 332.7 x 71.1mm	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	15 lbs. / 6.8 kg	13.7 lbs. / 6.2 kg
Net (without stand)	7.6 lbs. / 3.4 kg	10.6 lbs. / 4.8 kg	9.3 lbs. / 4.2 kg
VESA Hole Configuration Specifications	100 x 100mm	100 x 100mm	100 x 100mm
Environmental Conditions			
Operating Temperature	5-35°C / 41-95°F	5-35°C / 41-95°F	5-35°C / 41-95°F
Operating Humidity	20-80%	20-80%	20-80%
Operating Altitude	2000m / 6562 ft.	2000m / 6562 ft.	2000m / 6562 ft.
Storage Temperature	-10-60°C / 14-140°F	-10-60°C / 14-140°F	-10-60°C / 14-140°F
Storage Humidity	10-85%	10-85%	10-85%
Storage Altitude	12,192m / 40,000 ft.	12,192m / 40,000 ft.	12,192m / 40,000 ft.
Limited Warranty	3 years parts and labor, including backlight	3 years parts and labor, including backlight	3 years parts and labor, including backlight
Technical Support	M - F (7am - 7pm CST)	M - F (7am - 7pm CST)	M - F (7am - 7pm CST)

RoHS compliant

ENERGY STAR

CERTIFIED FOR Windows Vista®

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