

# NEC MultiSync® EA Series

Desktop LCDs ideal for corporate environments



**Take your productivity to new heights.** With its MultiSync EA Series, NEC has developed desktop displays that combine cutting-edge technologies with dynamic design accents, giving you the ability to increase your productivity while adding a modern flair to your desktop. The 19" NEC MultiSync EA191M, 22" EA221WM, 24" EA241WM and 26" EA261WM, which tout flexibility for any number of applications and environments, meet the diverse needs of businesses of all kinds.

**A new perspective on productivity.** These displays' wide-format screens (except EA191M) provide roughly the same work area as two smaller-sized LCD screens, allowing you to work simultaneously in multiple/side-by-side application windows.

**Enhanced screen performance.** With contrast ratios up to 1500:1 (typical) and brightness quality of up to 400 cd/m<sup>2</sup>, outstanding LCD monitor front-of-screen visual performance is NEC Display Solutions' #1 goal. Rapid Response™ technology provides for lifelike full-motion video display without distortion at a response time as quick as 5ms.

**Wide compatibility for today and tomorrow.** With Ambix® dual-input technology—which utilizes both DVI-D and traditional 15-pin VGA connectors—you can bridge the gap between analog and digital systems by allowing the same monitor to work seamlessly in either environment. Ambix provides compatibility with today's computer systems and is on the forefront of tomorrow's digital output.

## Features & Benefits

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

**Integrated USB 2.0 hub** gives you convenient connections to peripherals (except EA191M)

**Built-in multimedia speakers with headphone jack** save significant desktop space

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

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

**High-bandwidth Digital Content Protection (HDCP)** safeguards high-definition and encrypted content during transmission from a source device to the display

**ECO Mode™** helps save power, reduce heat and extend the life of the display by allowing the user to dim the backlight

**EPEAT Gold and Silver compliance** ensures the displays reduce hazardous waste and electricity usage, resulting in lower energy costs and increased protection for the environment

**Carbon footprint meter** helps track and calculate the reduction of green gas emissions

**Recessed carrying handle** on the back of the display provides easier transport (except EA191M)

**Rapid Response technology** delivers virtually uninterrupted, undistorted viewing of high-speed, full-motion video

**Ambix dual-input technology** allows for digital/analog compatibility with upgraded video cards and software as well as connection to two systems

**XtraView® technology** provides for some of the widest viewing angles available

**NaViSet™ software** offers an expanded and intuitive interface, allowing you to more easily adjust display settings via mouse and keyboard

**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 MultiSync EA Series models feature built-in speakers (A), which are integrated into the bottom of the cabinet. Along with a headphone jack (B), these space-saving speakers add multimedia connectivity and excitement to the desktop computing experience without adding bulk to the display's design.

These models feature swivel (nearly 360°) (C), tilt (D) and pivot (E) capabilities and a height-adjustable stand (up to 110mm) (F), allowing you to create an ideal ergonomic display orientation for maximum viewing comfort. A built-in, recessed handle (G) also makes the displays easily transportable.

The display's discreet control button arrangement (H) includes the NaViKey. This multi-directional key not only allows for a thinner frame around the screen and helps reduce the number of control buttons required, it provides an easier means of reaching your preferred display settings.



Model	MultiSync EA191M	MultiSync EA221WM	MultiSync EA241WM	MultiSync EA261WM
<b>Display</b>				
Viewable Image Size	19"	22"	24"	26"
Pixel Pitch	0.294mm	0.282mm	0.270mm	0.292mm
Pixels Per Inch	86 @ native resolution	90 @ native resolution	94 @ native resolution	87 @ native resolution
Brightness (typical)	250 cd/m <sup>2</sup>	250 cd/m <sup>2</sup>	400 cd/m <sup>2</sup>	400 cd/m <sup>2</sup>
Contrast Ratio (typical)	1500:1	1000:1	1000:1	1000:1
Viewing Angle (typical)	170° Vert., 176° Hor. (88U/88D/88L/88R) (CR > 10)	170° Vert., 176° Hor. (85U/85D/88L/88R) (CR > 5)	160° Vert., 160° Hor. (80U/80D/80L/80R) (CR > 10)	160° Vert., 160° Hor. (80U/80D/80L/80R) (CR > 10)
Response Time (typical)	Rapid Response (25ms)	Rapid Response (5ms)	Rapid Response (5ms)	Rapid Response (5ms)
Display Colors	More than 16.7million	More than 16.7million	More than 16.7million	More than 16.7million
<b>Synchronization Range</b>				
Horizontal	31.5-81.1KHz (Analog/Digital)	31.5-81.1KHz (Analog/Digital)	31.5-81.1KHz (Analog/Digital)	31.5-81.1KHz (Analog/Digital)
Vertical	56-75Hz (Analog/Digital)	56-75Hz (Analog/Digital)	56-76Hz (Analog/Digital)	56-76Hz (Analog/Digital)
<b>Input Signal</b>				
Video	Analog 0.7 Vp-p / 75 Ohms	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)	Separate Sync: TTL Level (positive/negative)
<b>Inputs</b>	DVI-D and VGA 15-pin D-Sub	DVI-D and VGA 15-pin D-Sub	DVI-D and VGA 15-pin D-Sub	DVI-D and VGA 15-pin D-Sub
<b>Resolutions Supported</b>	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 @ 70-75 Hz 1152 x 870 @ 75 Hz 1280 x 960 @ 60-75 Hz 1280 x 1024 @ 60-75 Hz	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 @ 70-75 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	Analog/Digital 720 x 350 @ 70-85 Hz 720 x 400 @ 70-85 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 @ 60/75/85 Hz 1280 x 1024 @ 60-75 Hz 1360 x 768 @ 60 Hz 1440 x 900 @ 60 Hz 1440 x 1050 @ 60 Hz 1680 x 1050 @ 60 Hz 1600 x 1200 @ 60 Hz 1920 x 1200 @ 60 Hz	Analog/Digital 720 x 350 @ 70/85 Hz 720 x 400 @ 70/85 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 @ 60/75/85 Hz 1280 x 1024 @ 60-75 Hz 1360 x 768 @ 60 Hz 1440 x 900 @ 60 Hz 1440 x 1050 @ 60 Hz 1680 x 1050 @ 60 Hz 1600 x 1200 @ 60 Hz 1920 x 1200 @ 60 Hz
<b>Native Resolution</b>	1280 x 1024 @ 60 Hz	1680 x 1050 @ 60 Hz	1920 x 1200 @ 60 Hz	1920 x 1200 @ 60 Hz
<b>Additional Features</b>	Thin-frame (bezel), integrated speakers, 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	Thin-frame (bezel), wide-screen format, integrated speakers, USB 2.0 hub, 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, 720p, ECO Mode, carbon meter, HDMI-capable with adapter, EPEAT Gold	Thin-frame (bezel), wide-screen format, integrated speakers, USB 2.0 hub, 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, 720p and 1080p from DVI-D, ECO Mode, carbon meter, HDMI-capable with adapter, EPEAT Gold	Thin-frame (bezel), wide-screen format, integrated speakers, USB 2.0 hub, 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, 92% color gamut, 720p and 1080p from DVI-D, ECO Mode, carbon meter, HDMI-capable with adapter, EPEAT Gold
<b>Voltage Rating</b>	AC 100-120V / AC 220-240V	AC 100-120V / AC 220-240V	AC 100-120V / AC 220-240V	AC 100-120V / AC 220-240V
<b>Power Consumption (typical)</b>				
On (w/ USB + audio)	39W	59W	71W	99W
Power Savings Mode	2W	2W	< 2W	< 2W
ECO Mode ON				
(with USB & Audio)	31W	47W	57W	67W
(without USB & Audio)	27W	27W	38W	50W
<b>Dimensions (W x H x D)</b>				
Net (with stand)	16.1 x 15.1 - 19.4 x 8.7 in. / 408 x 383.5-493.5 x 220mm	20 x 15 - 19.4 x 8.7 in. / 507.8 x 382 - 492 x 220mm	22 x 17.3-21.7 x 10.7 in. / 558.6 x 440.5-550.5 x 272.4mm	23.4 x 17.8-22.1 x 10.7 in. / 594.4 x 451-561 x 272.4mm
Net (without stand)	16.1 x 13.3 x 2.6 in. / 408 x 338 x 65mm	20 x 13.1 x 2.8 in. / 507.8 x 332.1 x 71.8mm	22 x 14.4 x 3.1 in. / 558.6 x 366.2 x 89mm	23.4 x 15.3 x 3.8 in. / 594.2 x 389.8 x 95.6mm
<b>Weight</b>				
Net (with stand)	15.4 lbs. / 7 kg	17.4 lbs. / 7.9 kg	23.1 lbs. / 10.5 kg	27.1 lbs. / 12.3 kg
Net (without stand)	9.7 lbs. / 4.4 kg	11.7 lbs. / 5.3 kg	14.3 lbs. / 6.5 kg	18.7 lbs. / 8.5 kg
<b>VESA Hole Configuration Specifications</b>	100 x 100mm	100 x 100mm	100 x 100mm	100 x 100mm; 200 x 100mm
<b>Environmental Conditions</b>				
Operating Temperature	5-35°C / 41-95°F	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%	20-80%
Operating Altitude	4572m / 15,000 ft.	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	-10-60°C / 14-140°F
Storage Humidity	10-85%	10-85%	10-85%	10-85%
Storage Altitude	12,192m / 40,000 ft.	12,192m / 40,000 ft.	12,192m / 40,000 ft.	12,192m / 40,000 ft.
<b>Limited Warranty</b>	3 years parts and labor, including backlight	3 years parts and labor, including backlight	3 years parts and labor, including backlight	3 years parts and labor, including backlight
<b>Technical Support</b>	M - F (7am - 7pm CST)	M - F (7am - 7pm CST)	M - F (7am - 7pm CST)	M - F (7am - 7pm CST)



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**NEC Display Solutions**  
500 Park Boulevard, Suite 1100  
Itasca, IL 60143  
866-NEC-MORE

**NEC**

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