

**NEC MultiSync®**

# EA Series

Business Desktops 22" | 23" | 24" | 27" | 29" | 30"



**High-performance, LED-backlit LCD displays ideal for corporate environments**

# Reimagine your desktop computing experience.

With its 4<sup>th</sup> generation MultiSync EA Series, NEC has developed monitor solutions that push the boundaries of what you've come to know as business-grade screen performance. The 22" EA224WMI, 23" EA234WMI, 24" EA244WMI, 24" EA244UHD, 27" EA274WMI, 29" EA294WMI, and 30" EA304WMI deliver a completely redesigned chassis with a host of enhanced features, advanced technologies, future-proof connectivity and environmentally friendly benefits. Select models tout an IPS module, which boasts the best possible color accuracy and minimal viewing angle shift.

These models boast LED backlight technology, which not only reduces power by up to 52% compared to their predecessors, but leads to a 30% thinner and 25% lighter chassis. Other green features include ECO Mode™, a carbon footprint meter and an ambient light sensor, which automatically adjusts the brightness to the optimal setting depending on ambient lighting, screen content or both, conserving power up to 87% compared to typical energy consumption. In addition, the human sensor detects user activity in front of the monitor and reduces display power up to 95% with inactivity.

The ground breaking ControlSync™ feature allows users to control up to six select MultiSync EA Series units in a multi-monitor configuration. Upon establishing one unit as the master, you will be able to simultaneously control many performance attributes of the multi-monitor setup through the master monitor.



## 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 up to 130mm to maximize your viewing comfort
- Touch-sensitive OSD® controls are integrated into the bezel, making display adjustments easier than ever
- Integrated USB hub easily connects you to your peripherals
- Comprehensive input panel, including DisplayPort, HDMI, DVI-D and 15-pin VGA \*select models, connects you to the latest peripherals and future-proofs your investment
- Space saving, multimedia speakers, which enhance your computing experience, are hidden to maintain the monitor's aesthetic appeal (headphone jack also included)
- ControlSync enables multi-monitor setups of up to six monitors and controls up to 26 settings
- Customize Setting allows both users and IT administrators to set and restore preferred settings with just one touch, contributing to a free-seating business environment
- Smart sensing technology includes ambient light and human sensors, which considerably reduce power consumption by automatically detecting your work conditions and adjusting to the proper display brightness or entering Power Saving Mode
- 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
- NaViSet™ software offers an intuitive graphical interface, allowing for easy adjustment of display settings via mouse and keyboard. NaViSet Administrator provides all the advanced control to remotely located IT professionals.
- EPEAT Gold compliance ensures the displays reduce hazardous waste and electricity usage, resulting in lower energy costs and increased protection for the environment
- ENERGY STAR® compliance reduces electrical costs and lowers total cost of ownership



**Specifications for MultiSync EA Series**

	EA224Wmi	EA234Wmi	EA244Wmi	EA274Wmi	EA294Wmi	EA304Wmi	EA244UHD
<b>DISPLAY</b>							
Panel Technology	IPS	IPS	IPS	AH-IPS	IPS	AH-IPS	AH-IPS
Backlight Type	W-LED					GB-R LED	W-LED
Viewable Image Size	21.5"	23"	24"	27"	29"	29.8"	23.8"
Aspect Ratio	16:9	16:9	16:10	16:9	21:9	16:10	16:9
Native Resolution	1920 x 1080	1920 x 1080	1920 x 1200	2560 x 1440	2560 x 1080	2560 x 1600	3840 x 2160
Pixel Pitch	0.248mm	0.267m	0.27mm	0.233mm	0.262mm	0.25	0.14
Pixels Per Inch	102 @ native resolution	96 @ native resolution	94 @ native resolution	109 @ native resolution	97 @ native resolution	101 @ native resolution	185 @ native resolution
Brightness (typical)	250 cd/m <sup>2</sup>		350 cd/m <sup>2</sup>	350 cd/m <sup>2</sup>	300 cd/m <sup>2</sup>	350 cd/m <sup>2</sup>	350 cd/m <sup>2</sup>
Contrast Ratio (typical)	1000:1 (25,000: dynamic)						
Viewing Angle (typical)	178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>=10						
Response Time (typical)	6ms (with overdrive)	6ms	5ms	6ms			
Displayable Colors	More than 16.7 million						
Synchronization Range							
Horizontal (Analog/Digital)	31.5-83 kHz	31.5-83 kHz	31.5-77 kHz	31.5-83 kHz	31.5-83 kHz	31.5-98.7kHz	31.5-134 kHz
Vertical	56-75 Hz		56-60 Hz	56-75 Hz		50-85 Hz	30-75 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, HDMI, DVI-D, VGA 15-pin D-sub				VGA 15-pin D-Sub (2), DVI-D (2), DisplayPort, HDMI / MHL	DisplayPort, HDMI, VGA, DVI-D	DVI-D(2), HDMI(2), DisplayPort(2)
<b>POWER CONSUMPTION</b>							
On (typical)	26W	27W	29W	57W	50W	63W	79W
Power Savings Mode (typical)	0.43W	0.41W	0.47W	0.8W		0.7W	0.33W
<b>PHYSICAL SPECIFICATIONS</b>							
Dimensions (WxHxD)							
Net (with stand)	20 x 14.6-19.7 x 8.6 in. / 507.4 x 370.2-500.2 x 218mm	21.4 x 15.0-20.1 x 8.7 in. / 543.8 x 380.4-510.4 x 218mm	21.9 x 16.1-21.2 x 9.1 in. / 556.2 x 408.9-538.9 x 230mm	25.2 x 16.5 - 21.6 x 9.1 in. / 639.2 x 417.9 - 537.9 x 230 mm	27.8 x 16.2-21.3 x 9.1 in. / 705.8 x 410.4- 540.4 x 230mm	27.0 x 18.6 - 23.7 x 9.1 in. / 686.9 x 472.8 - 602.8 x 230.0 mm	22.0 x 15.2 - 20.3 x 8.6 in. / 558.2 x 386.7 - 516.7 x 218.0 mm
Net (without stand)	20 x 11.9 x 2.4 in. / 507.4 x 301.1 x 60.5mm	21.4 x 12.7 x 2.4 in. / 543.8 x 321.6 x 60.5mm	21.9 x 14.2 x 2.5 in. / 556.2 x 359.6 x 63.8mm	25.2 x 14.9 x 2.6 in. / 639.3 x 377.8 x 66.5 mm	27.8 x 12.7 x 2.7 in. / 705.8 x 321.8 x 69.1mm	27.0 x 17.6 x 3.0 in. / 686.9 x 446.6 x 75.1 mm	22.0 x 13.2 x 2.8 in. / 558.2 x 334.3 x 72.0 mm
Weight							
Net (with stand)	13.2 lbs. / 6 kg	14.1 lbs. / 6.4 kg	16.8 lbs. / 7 kg	19.2 lbs / 8.7 kg	21.2 lbs. / 9.6 kg	24.3 lbs. / 11.0 kg	16.3 lbs. / 7.4 kg
Net (without stand)	8.2 lbs. / 3.7 kg	8.8 lbs. / 4.0 kg	10.6 lbs. / 4.8 kg	12.8 lbs. / 5.8 kg	14.6 lbs. / 6.6 kg	17.6 lbs. / 8.0 kg	11.0 lbs. / 5.0 kg
VESA Hole Configuration							
	100 x 100mm						
<b>ENVIRONMENTAL CONDITIONS</b>							
Operating Temperature							
	41-95°F / 5-35°C						
Operating Humidity							
	20 - 80%						
Operating Altitude							
	6562 ft. / 2000m		6562 ft. / 2000m		10,000 ft. / 3048m	6562 ft. / 2000m	6562 ft. / 2000m
Storage Temperature							
	14-140°F / -10-60°C						
Storage Humidity							
	10-85%						
Storage Altitude							
	40,000 ft. / 12,192m						
Tropical Environments							
	Yes						
<b>ENVIRONMENTAL COMPLIANCE</b>							
ENERGY STAR							
	6.0						
TCO							
	5.2	Edge 1.2	6.0		5.0	6.0 / Edge Certified 1.2	Edge Certified 1.2
EPEAT							
	Gold						
RoHS							
	Yes						
<b>LIMITED WARRANTY</b>							
	3 years parts and labor, including backlight*						
<b>ADDITIONAL FEATURES</b>							
	Tilt; Swivel; Pivot; Height-adjustable stand; ControlSync; Customize Setting; Integrated speakers; 4-port USB hub; LED backlight; Auto brightness with ambient light sensor; Human sensor; ECO Mode; Carbon footprint meter; Resettable cost meter; Thin frame; Carrying handle; Rapid Response; Ambix; XtraView; Hot Key; Touch OSD controls; OSD Lock Out; Cable management; Dynamic Visual Mode (Standard, Text, Movie, Gaming, Photo, Dynamic); NaViSet Administrator 2; VESA mount; HDCP; DDC/CI; No Touch Auto Adjust; Plug and Play (VESA DDC2B); VESA DPMS power management; AccuColor color control; Digital smoothing; Digital controls; ISO 9241-307 Class I; DICOM SIM for IPS models					Setup sheet; User manual; Power cord; DisplayPort cable; DVI-D cable; USB cable; Audio cable; ControlSync cable	Setup sheet; User manual; Power cord; DisplayPort cable; USB cable; Audio cable; ControlSync cable
<b>SHIPS WITH</b>							
	Setup sheet; User manual; Power cord; 15-pin D-sub cable; DVI-D cable; USB cable; Audio cable; ControlSync cable				Setup sheet; User manual; Power cord; DisplayPort cable; DVI-D cable; USB cable; Audio cable; ControlSync cable	Setup sheet; User manual; Power cord; DisplayPort cable; USB cable; Audio cable; ControlSync cable	

\* Warranty restrictions apply. Contact your representative for details.

Touch-sensitive OSD controls



Comprehensive input panel (select models)



USB 3.0 hub (select models)



4-way adjustable stand



Thin, lightweight design with integrated speakers



Ambient and human sensors



# NEC MultiSync® EA Series



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