NEC MultiSync® EA Series

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

Reimagine your desktop computing experience. With its next 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" MultiSync EA223WM, 23" EA232WMi, 24" EA243WM and 27" EA273WM deliver a completely redesigned chassis with a host of enhanced features, advanced technologies, future-proof connectivity and environmentally friendly benefits.

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 next-generation 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
- **iF Product Design Award for 2012** bestowed upon the EA273WM
- **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 4-port USB 2.0 hub** easily connects you to your peripherals
- **Comprehensive input panel**, including DisplayPort, HDMI, DVI-D and 15-pin VGA, 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
- **Customize Setting** empowers IT managers, allowing them to set and restore preferred settings with just one touch, making central control easier than ever
- **Smart sensing technology** includes ambient light and human sensors, which considerably reduce power consumption by automatically detecting your work conditions to determine 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
- **EPEAT Silver/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 EA223WM/EA232WMi/EA243WM/EA273WM

MODEL	EA223WM	EA232WMi	EA243WM	EA273WM
DISPLAY				
Panel Technology	TN	IPS	TN	
Viewable Image Size	22"	23"	24"	27"
Aspect Ratio	16:10	16:9	16:10	16:9
Native Resolution	1680 x 1050	1920 x 1080	1920 x 1200	1920 x 1080
Pixel Pitch	0.282mm	0.265mm	0.27mm	0.311mm
Pixels Per Inch	90 @ native resolution	96 @ native resolution	94 @ native resolution	82 @ native resolution
Backlight Type	W-LED			
Brightness (typical)	250 cd/m²			300 cd/m²
Contrast Ratio (typical)	1000:1 (25,000: dynamic)			
Viewing Angle (typical)	178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>5 / 160° Vert., 170° Hor. (80U/80D/85L/85R) @ CR>10	178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>5 / 178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>10	178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>5 / 160° Vert., 170° Hor. (80U/80D/85L/85R) @ CR>10	178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>5 / 160° Vert., 160° Hor. (80U/80D/80L/80R) @ CR>10
Response Time (typical)	5ms	14ms	5ms	
Displayable Colors	More than 16.7 million			
Synchronization Range				
Horizontal (Analog/Digital)	31.5-82.3 kHz	31.5-83 kHz	31.5-77 kHz	31.5-83 kHz
Vertical	56-75 Hz		56-60 Hz	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		DisplayPort, HDMI, DVI-D, VGA 15-pin D-sub	
POWER CONSUMPTION				
On (typical)	25W	28W	29W	39W
Power Savings Mode (typical)	0.4W	0.47W	0.48W	
PHYSICAL SPECIFICATIONS				
Dimensions (WxHxD)				
Net (with stand)	19.8 x 15.1-20.2 x 8.6 in. / 503.5 x 384-514 x 218mm	21.7 x 14.9-19.3 x 8.7 in. / 550.1 x 379.1-489.1 x 220mm	21.9 x 16.1-21.2 x 9.1 in. / 556.2 x 408.9-538.9 x 230mm	24.9 x 16.3-21.5 x 9.1in / 631.4 x 415-545 x 230mm
Net (without stand)	19.8 x 13 x 2.4 in. / 503.5 x 329.7 x 60.5mm	21.7 x 13 x 2.8 in. / 550.1 x 329 x 71mm	21.9 x 14.2 x 2.5 in. / 556.2 x 359.6 x 63.8mm	24.9 x 14.6 x 2.5 in. / 631.4 x 371.8 x 63.8mm
Weight				
Net (with stand)	12.3 lbs. / 5.6 kg	16.3 lbs. / 7.4 kg	15.4 lbs. / 7 kg	15.9 lbs. / 7.2 kg
Net (without stand)	7.3 lbs. /3.3 kg	10.8 lbs. / 4.9 kg	9 lbs. / 4.1 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	5.1	5.0	5.1	5.0
TCO	5.2	5.2	5.2	5.1
EPEAT	Silver	Gold		
RoHS	Yes			
LIMITED WARRANTY	3 years parts and labor, including backlight*			
ADDITIONAL FEATURES	ControlSync; Customize Setting; Integrated speakers; 4-port USB hub; LED backlit; Auto brightness with ambient light sensor; Human sensor; ECO Mode; Carbon footprint meter; Resettable cost meter; Ultra-thin-frame; Tilt; Swivel; Pivot; Height-adjustable stand; 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 software; 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			
SHIPS WITH	Setup sheet; User manual; Power cord; 15-pin D-sub cable; DVI-D cable; USB cable; Audio cable; ControlSync cable			

* Warranty restrictions apply. Contact your representative for details.

4-way adjustable stand

Ambient and human sensors

Touch-sensitive OSD controls

Thin, lightweight design with integrated/hidden speakers

USB 2.0 hub

Comprehensive input panel

NEC

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