



NEC MultiSync® EA Series

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

Reimagine your desktop computing experience.

With its 4th & 5th generation MultiSync EA Series, NEC has developed monitor solutions that push the boundaries of what you've come to know as business-class screen performance. The EA Series deliver a completely redesigned chassis with a host of enhanced features, advanced technologies, future-proof connectivity and environmentally friendly benefits. All models utilize IPS LCD panels, which boast the best possible color accuracy and minimal viewing angle shift.

Every model features LED backlights, enabling a thin and light design. 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™ technology 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

- 1.0mm or smaller ultra narrow bezels let you focus on your work and are ideal for multiple monitor configurations
- USB Type-C port gives flexibility to connect to multiple platforms (EA242F, EA272F, EA271Q, EA271U)
- USB Type-C input charges a mobile device while showing video and using USB (EA242F, EA272F, EA271Q, EA271U)
- Includes NEC's own ControlSync technology to allow users to easily control multiple NEC's displays.
- Four-way ergonomic stand boasts pivot, tilt, swivel and height adjustment 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
- DisplayPort 1.2 out for convenient multi-monitor connectivity (EA245WMi, EA242F, EA272F, EA271Q)
- ENERGY STAR® compliance reduces electrical costs and lowers total cost of ownership

*select models



MultiSync EA Series Features

Multiple Monitor Technologies

The ground breaking ControlSync™ technology 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. ControlSync enables multi-monitor setups of up to six monitors and controls up to 26 settings.

Comprehensive Input Panel

DisplayPort, USB-Type C*, HDMI, DVI-D* and 15-pin VGA*, as well as USB hubs connect you to the latest peripherals and future-proofs your investment.

*select models



USB-C Connectivity*

USB Type-C helps optimize connectivity and declutter the workspace by replacing video, audio, power, and USB cabling with just a single cable to connect and charge a notebook, tablet PC, or mobile device with the display. (EA242F, EA272F, EA271Q, EA271U)

*Select models

Power-saving 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.



Adjustable for Every Workspace

Four-way ergonomic stand boasts pivot, tilt, swivel and height adjustment up to 130mm to maximize your viewing comfort. In addition, Space-saving multimedia speakers are hidden to maintain the monitor's aesthetic appeal (headphone jack also included).



Smart Sensing Technologies

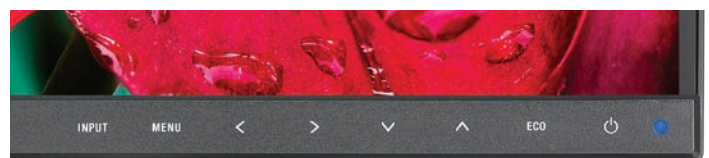
Smart sensing technology includes ambient light and human sensors, which considerably reduce power consumption by automatically detecting your work conditions and adjusting to the proper display brightness or entering Power Saving Mode.



IT-Friendly Features

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.

The optional NaViSet™ Administrator 2.0 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.



MODEL		EA231WU	EA241F	EA242F	EA245Wmi	
DISPLAY	Panel Technology	IPS	IPS	IPS	AH-IPS	
	Backlight Type	W-LED	W-LED	W-LED	W-LED	
	Viewable Image Size	22.5"	23.8"	23.8"	24"	
	Aspect Ratio	16:10	16:9	16:9	16:10	
	Native Resolution	1920 x 1200	1920 x 1080	1920 x 1080	1920 x 1200	
	Pixel Pitch	0.254mm	0.275mm	0.275mm	0.27mm	
	Pixels Per Inch (at native resolution)	100	93	93	94	
	Brightness (typical)	250cd/m ²	250cd/m ²	250cd/m ²	300cd/m ²	
	Contrast Ratio (typical)	1000:1	1000:1	1000:1	1000:1	
	Color Gamut*	Adobe RGB Coverage/Size**	72.9% / 75.5%	73.6% / 75.3%	73.6% / 75.3%	
		NTSC Coverage/Size	69.5% / 72.1%	69.5% / 72.0%	69.5% / 72.0%	72%
		sRGB Coverage/Size	94.3% / 101.8%	95.1% / 101.6%	95.1% / 101.6%	100%
	Viewing Angle (typical)	178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>10	178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>10	178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>10	178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>10	
	Response Time (typical)	5	5	6	5	
	Displayable Colors	More than 16.7 million	More than 16.7 million	More than 16.7 million	More than 16.7 million	
	Synchronization Range					
	Horizontal (Analog/Digital)	31.5-75 KHz	31.5-75 KHz	31.5-83 KHz	31.5-95 KHz	
	Vertical	50-60 Hz	50-75 Hz	50-75 Hz	56-75 Hz	
	Input Signal	Video	Analog RGB 0.7 Vp-p/75 Ohms	Analog RGB 0.7 Vp-p/75 Ohms	Digital HDMI/DisplayPort, USB Type-C ~31.5 - ~83.0KHz Horizontal Frequency, ~50Hz - ~75Hz Vertical Frequency, ~25MHz - ~165MHz Dot Clock Frequency	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	DisplayPort, HDMI, DVI-D, VGA 15-pin D-sub	DisplayPort, HDMI, VGA 15-pin D-sub, USB Type-C	DisplayPort, HDMI, DVI-D, VGA 15-pin D-sub		
Output Connectors			DisplayPort	DisplayPort 1.2 (SST / MST)		
USB	Hub	USB 3.1, 1 up / 3 down	USB 3.1, 1 up / 3 down	USB 3.1, 1 up / 3 down	USB 3.0, 1 up / 3 down	
	Power Delivery			USB-C 65W		
POWER CONSUMPTION	On (typical)	15W	15W	19W	22W	
	Power Savings Mode (typical)	0.29W	0.29W	0.3W	0.3W	
PHYSICAL SPECIFICATIONS	Dimensions (WxHxD)	With stand	19.6 x 13.3-19.2 x 9.8 in. / 498.9 x 337.2-487.2 x 250 mm	21.2 x 13.3-19.2 x 9.8 in. / 537.7 x 336.6-486.6 x 250mm	21.2 x 13.2-19.1 x 9.8 in. / 537.7 x 336.2-486.2 x 250mm	20.9 x 15.7-19.6 x 8.0 in. / 531.5 x 397.6-497.6 x 204.3mm
		Without stand	19.6 x 12.6 x 1.8 in. / 498.9 x 319.7 x 45.6 mm	21.2 x 12.6 x 1.8 in. / 537.7 x 319.1 x 45.6mm	21.2 x 12.6 x 1.8 in. / 537.7 x 319.1 x 46.6mm	20.9 x 13.7 x 1.9 in. / 531.5 x 347.8 x 47.6mm
	Net Weight	With stand	13.0 lbs. / 5.9 kg	13.4 lbs. / 6.1 kg	15.4 lbs. / 7.0 kg	13.2 lbs. / 6.0 kg
		Without stand	7.5 lbs. / 3.4 kg	7.9 lbs. / 3.6 kg	9.9 lbs. / 4.5 kg	9.3 lbs. / 4.2 kg
VESA Hole Configuration	100 x 100mm	100 x 100mm	100 x 100mm	100 x 100mm		
ENVIRONMENTAL CONDITIONS	Operating Temperature	41-95°F / 5-35°C	41-95°F / 5-35°C	41-95°F / 5-35°C	41-95°F / 5-35°C	
	Operating Humidity	20-80%	20-80%	20-80%	20-80%	
	Operating Altitude	16404 ft. / 5000m	16404 ft. / 5000m	16404 ft. / 5000m	16404 ft. / 5000m	
	Storage Temperature	14-140°F / -10-60°C	14-140°F / -10-60°C	14-140°F / -10-60°C	14-140°F / -10-60°C	
	Storage Humidity	10-85%	10-85%	10-85%	10-85%	
	Storage Altitude	40,000 ft. / 12,192m	40,000 ft. / 12,192m	40,000 ft. / 12,192m	40,000 ft. / 12,192m	
ENVIRONMENTAL COMPLIANCE	ENERGY STAR	7.0	7.0	8.0	7.0	
	RoHS	Yes	Yes	Yes	Yes	
ADDITIONAL FEATURES	Tilt, Swivel, Pivot, Height-adjustable stand, ControlSync, Customize Setting, Integrated speakers, 3-port USB 3.1 hub, LED backlit, Auto brightness with ambient light sensor, Human sensor, ECO Mode, Carbon footprint meter, Resettable cost meter, Ultra-narrow bezel, 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, DICOM SIM					
SHIPS WITH	Setup sheet, User manual, Power cord, DisplayPort cable, USB cable, ControlSync cable, USB-C cable*					
LIMITED WARRANTY	3 years					

* Ships with the EA242F only

MODEL		EA271F	EA272F	EA271Q	EA271U	
DISPLAY	Panel Technology	IPS	IPS	PLS	IPS	
	Backlight Type	W-LED	W-LED	W-LED	W-LED	
	Viewable Image Size	27"	27"	27"	27"	
	Aspect Ratio	16:9	16:9	16:9	16:9	
	Native Resolution	1920 x 1080	1920 x 1080	2560 x 1440	3840 x 2160	
	Pixel Pitch	0.31mm	0.31mm	0.23mm	0.16mm	
	"Pixels Per Inch (at native resolution)"	82	82	109	163	
	Brightness (typical)	250cd/m ²	250cd/m ²	350cd/m ²	350cd/m ²	
	Contrast Ratio (typical)	1000:1	1000:1	1000:1	1000:1	
	Color Gamut*	Adobe RGB Coverage/Size**		73.6% / 75.3%	78.3% / 83.2%	78.1% / 81.6%
		NTSC Coverage/Size	69.5% / 72.1%	69.5% / 72.0%	74.6% / 79.5%	75.1% / 78.0%
		sRGB Coverage/Size	95.0% / 101.8%	95.1% / 101.6%	100.0% / 112.2%	100.0% / 110.1%
	Viewing Angle (typical)	178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>10	178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>10	178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>10	178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>10	
	Response Time (typical)	6	6	6	5	
	Displayable Colors	More than 16.7 million	More than 16.7 million	More than 16.7 million	1.07 billion	
	Synchronization Range					
	Horizontal (Analog/Digital)	31.5-83 KHz	31.5-83 KHz	31.5-83 KHz	31.5-83 KHz	
	Vertical	56-75 Hz	56-75 Hz	56.0 Hz - 75.0 Hz	30.0 Hz - 75.0 Hz	
Input Signal	Video	Digital HDMI/DisplayPort, USB Type-C ~31.5 - ~83.0kHz Horizontal Frequency, ~50Hz - ~75Hz Vertical Frequency, ~25MHz - ~165MHz Dot Clock Frequency	Digital HDMI/DisplayPort, USB Type-C ~31.5 - ~83.0kHz Horizontal Frequency, ~50Hz - ~75Hz Vertical Frequency, ~25MHz - ~165MHz Dot Clock Frequency	Digital HDMI/DisplayPort, USB Type-C ~31.5 - ~83.0kHz Horizontal Frequency, ~50Hz - ~75Hz Vertical Frequency, ~25MHz - ~165MHz Dot Clock Frequency	Digital HDMI/DisplayPort, USB Type-C ~31.5 - ~83.0kHz Horizontal Frequency, ~50Hz - ~75Hz Vertical Frequency, ~25MHz - ~165MHz Dot Clock Frequency	
	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, VGA 15-pin D-sub	DisplayPort, HDMI, VGA 15-pin D-sub, USB Type-C	DisplayPort, HDMI, VGA 15-pin D-sub, USB Type-C	DisplayPort, HDMI, VGA 15-pin D-sub, USB Type-C		
Output Connectors		DisplayPort	DisplayPort 1.2 (SST / MST)			
USB	Hub	USB 3.1, 1 up / 3 down	USB 3.1, 1 up / 3 down	USB 3.1 and USB-C, 1 up / 3 down	USB 3.1 and USB-C, 1 up / 3 down	
	Power Delivery		USB-C 65W	USB-C 60W	USB-C 60W	
POWER CONSUMPTION	On (typical)	17W	19W	37W	38W	
	Power Savings Mode (typical)	0.27W	0.3W	0.29W	0.29W	
PHYSICAL SPECIFICATIONS	"Dimensions (WxHxD)"	With stand	24.0 x 14.9 - 20.8 x 9.8 in. / 610.2 x 377.3 - 527.3 x 250 mm	24.0 x 14.9 - 20.8 x 9.8 in. / 610.2 x 376.9 - 526.9 x 250 mm	24.1 x 14.9 - 20.8 x 9.8 in. / 611.8 x 378.0 - 528.0 x 250.0 mm	24.1 x 14.9 - 20.8 x 9.8 in. / 611.8 x 378.0 - 528.0 x 250.0 mm
		Without stand	24.0 x 14.2 x 1.8 in. / 610.2 x 359.8 x 45.6 mm	24.0 x 14.2 x 1.8 in. / 610.2 x 359.8 x 46.6 mm	24.1 x 14.2 x 2.6 in. / 611.8 x 361.9 x 67.2 mm	24.1 x 14.2 x 2.6 in. / 611.8 x 361.9 x 67.2 mm
	Net Weight	With stand	16.8 lbs. / 7.6 kg	20.3 lbs. / 9.2 kg	20.1 lbs. / 9.1 kg	20.9 lbs. / 9.5 kg
		Without stand	11.0 lbs. / 5.0 kg	12.8 lbs. / 5.8 kg	12.6 lbs. / 5.7 kg	13.4 lbs. / 6.1 kg
VESA Hole Configuration	100 x 100mm	100 x 100mm	100 x 100 mm	100 x 100 mm		
ENVIRONMENTAL CONDITIONS	Operating Temperature	41-95°F / 5-35°C	41-95°F / 5-35°C	41-95°F / 5-35°C	41-95°F / 5-35°C	
	Operating Humidity	20-80%	20-80%	20-80%	20-80%	
	Operating Altitude	6563 ft. / 2000m	16404 ft. / 5000m	16,404 ft. / 5000m	16,404 ft. / 5000m	
	Storage Temperature	14-140°F / -10-60°C	14-140°F / -10-60°C	14-140°F / -10-60°C	14-140°F / -10-60°C	
	Storage Humidity	10-85%	10-85%	10-85%	10-85%	
	Storage Altitude	40,000 ft. / 12,192m	40,000 ft. / 12,192m	40,000 ft. / 12,192m	40,000 ft. / 12,192m	
ENVIRONMENTAL COMPLIANCE	ENERGY STAR	7.0	8.0	7.0	8.0	
	TCO	7.0	8.0	7.0	7.0	
	RoHS	Yes	Yes	Yes	Yes	
ADDITIONAL FEATURES	SpectraView, Compatible, ControlSync, Customize Setting, Integrated speakers, 3-port USB hub, LED backlight, Auto brightness with ambient light sensor, Human sensor, ECO Mode, Carbon footprint meter, Resettable cost meter, Ultra-narrow bezel, Tilt, Swivel, Dual Direction Pivot, Height-adjustable stand, Rapid Response, Ambix, XtraView, Hot Key, OSD Lock Out, Cable management, Dynamic Visual Mode, NaViSet software, VESA mount, HDCP, DDC/CI, No Touch Auto Adjust, Plug and Play (VESA DDC2B), VESA DPMS power management, AccuColor color control, Digital controls, ISO 9241-307 Class I					
SHIPS WITH	Setup sheet, User manual, Power cord, DisplayPort cable, USB cable, ControlSync cable, USB-C cable*					
LIMITED WARRANTY	3 years					

* Ships with the EA272F, EA271Q and EA271U only

Touch-sensitive OSD controls



Comprehensive input panel (select models)



Thin, lightweight design with integrated speakers



USB 3.0 hub (select models)



Ambient and human sensors



4-way adjustable stand



Sharp NEC Display Solutions of America

www.sharpeddisplays.us