NEC MultiSync® EX Series

Ultra-slim, LED-backlit desktop LCD monitors ideal for corporate environments

Maximizing performance with minimalist design. Unlike conventional desktop monitors, the NEC MultiSync EX Series features a unique, ultra-slim, ultra-lightweight design, LED-backlit technology, as well as TN and PVA panel technologies. The widescreen 20" MultiSync EX201W and 23" EX231W and EX231Wp stand out in the way they are flexible, portable and adaptive — making them ideal for both office environments and the business users on the go.

Go green. NEC has taken a leadership role in helping businesses minimize their environmental impact and reduce operating costs. Along with an LED-backlit panel, intelligent, energy-saving technologies such as a human sensor, ambient light sensor, ECO Mode™ and carbon footprint meter make the MultiSync EX Series one of the most environmentally friendly and power-efficient in the desktop display category.

It's not just a monitor but a solution for business. MultiSync EX Series displays are designed as display solutions that go beyond the desktop to vertical applications such as financial, medical, control rooms and digital signage.

Highlights

- **Minimalist design**, featuring ultra-light weight, and an ultra-thin bezel width (14.6mm) and depth (16.4mm) helps minimize screen distraction, maximize desktop space and enable easy transportation and installation
- **LED backlight technology** eliminates mercury content and consumes up to 40% less energy compared to conventional CCFL desktop monitors
- **Height-adjust, pivot, tilt and swivel capabilities** add flexibility and comfort to your viewing preferences
- **Top-mounted USB pass-through** allows for the easy addition of a webcam, microphone or other peripherals
- **Quick-release stand** allows the monitor to function as a stand-alone display for easy transport to presentations
- **DisplayPort input** provides expanded connectivity with advanced technology
- **Human sensor** monitors the presence of a user in front of the display and can go into power saving mode if the user leaves, saving up to 99% power
- **Ambient light sensor** minimizes power consumption by automatically adjusting the brightness to the optimal setting depending on ambient lighting, screen content or both, saving up to 68% power
- **ECO Mode** allows you to manually adjust the display's brightness to two preset settings, saving up to 48% in power and reducing your energy costs
- **Carbon footprint meter** helps track and calculate the conservation of green gas emissions via OSD and NaViSet™ Administrator
- **6-preset Dynamic Visual Mode** enhances video and images with real-time optimization of brightness, color and contrast
- **Available portable stand kit and carrying case** are perfect accessories for on-the-go presentations
- **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
- **NEC's 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

Specifications for EX201W/EX231W/EX231Wp

MODEL	EX201W	EX231W	EX231Wp
DISPLAY			
Panel Technology	TN	TN	PVA
Viewable Image Size	20"	23"	23"
Aspect Ratio	16:9		
Native Resolution	1600 x 900	1920 x 1080	1920 x 1080
Pixel Pitch	0.277mm	0.265mm	0.265mm
Pixels Per Inch	92 @ native resolution	96 @ native resolution	96 @ native resolution
Backlight Type	W-LED		
Brightness (typical)	250 cd/m²		
Contrast Ratio (typical)	1000:1 (25,000: dynamic)	1000:1 (25,000: dynamic)	3000:1 (25,000 dynamic)
Viewing Angle (typical)	170° Vert., 176° Hor. (85U/85D/88L/88R) @ CR>5	170° Vert., 176° Hor. (85U/85D/88L/88R) @ CR>5	178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>10
Response Time (typical)	5ms	5ms	25ms
Displayable Colors	More than 16.7 million		
Synchronization Range			
Horizontal (Analog/Digital)	31.5-83 kHz		
Vertical	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-I		
POWER CONSUMPTION			
On (typical)	21W	31W	27W
Power Savings Mode (typical)	0.37W		
PHYSICAL SPECIFICATIONS			
Dimensions (WxHxD)			
Net (with stand)	18.7 x 15-19.3 x 8.5 in. / 474.8 x 381.1-491.1 x 215mm	21.3 x 15.8-20.1 x 8.5 in. / 540.2 x 401.3-511.3 x 215mm	
Net (without stand)	18.7 x 11 x 1.9 in. / 474.8 x 279.4 x 47.7mm	21.3 x 12.5 x 1.9 in. / 540.2 x 318.3 x 47.7mm	
Weight			
Net (with stand)	7.7 lbs. / 3.5 kg	9.3 lbs. / 4.2 kg	
Net (without stand)	4.9 lbs. / 2.2 kg	6.2 lbs. / 2.8 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	5.0
TCO	5.2	NA	5.2
EPEAT	Gold	NA	Gold
RoHS	Yes		
LIMITED WARRANTY	3 years parts and labor, including backlight*		
ADDITIONAL FEATURES	Auto brightness with ambient light sensor; Human sensor; USB pass-through; ECO Mode; Carbon footprint meter; Resettable cost meter; Integral power meter; Off timer; Ultra-thin frame; Tilt; Swivel; Pivot; Height-adjustable stand; Quick release stand; Carrying handle; Rapid Response; Ambix; XtraView; Touch-sensitive OSD user controls; NaViSet software; Cable management; VESA mount; HDMI-capable via DVI adapter; HDCP; DDC/CI; No Touch Auto Adjust; Plug and Play (VESA DDC 2B); VESA DPMS power management; Dynamic Visual Mode; AccuColor color control; Digital smoothing; Digital controls		Auto brightness with ambient light sensor; Human sensor; USB pass-through; ECO Mode; Carbon footprint meter; Resettable cost meter; Integral power meter; Off timer; Ultra-thin frame; Tilt; Swivel; Pivot; Height-adjustable stand; Quick release stand; Carrying handle; Rapid Response; Ambix; XtraView; Touch-sensitive OSD user controls; NaViSet software; Cable management; VESA mount; HDCP; DDC/CI; No Touch Auto Adjust; Plug and Play (VESA DDC 2B); VESA DPMS power management; Dynamic Visual Mode; 6-preset color control system; Digital smoothing; Digital controls
SHIPS WITH	Setup sheet; User manual; Power cord; DVI-D to DVI-D cable; USB cable; 15-pin D-sub to DVI-A; AC adapter; DC cable for AC adapter		
OPTIONAL ACCESSORIES	Portable stand kit (ST-EX2023-BK); Carrying case (SC-EX20)	Portable stand kit (ST-EX2023-BK); Carrying case (SC-EX23)	

* Warranty restrictions apply. Contact your representative for details.

The MultiSync EX Series features a 4-way ergonomic stand with capabilities of pivot, height-adjustment (up to 110mm), tilt and swivel, allowing you to create an ideal ergonomic display orientation for maximum viewing comfort.

Human and ambient light sensors (L) automatically detect your work conditions to determine the proper display brightness, thereby conserving power (up to 68%). Touch-sensitive OSD® controls (R) are integrated into the bezel, making display adjustments easier than ever.

NEC Display Solutions

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

NEC

necdisplay.com