

NEC MultiSync® EA241F  
LCD 23.8" Enterprise Display

## Datasheet



### NEC MultiSync® EA241F Ultra-Narrow Bezel - 23.8-inch FHD with full connectivity

NEC's new 23.8-inch desktop display comes with the features needed to maximise office productivity. This includes its outstanding visual capabilities, class leading ergonomics and full range of connectivity that allows you to connect the display to existing platforms.

The new display is entering the most demanding display market in terms of size. The EA241F's sleek look makes it ideal for multi-screen usage while also adding a touch of elegance to the office space. The three-sided narrow bezel design reduces its footprint without comprising on screen size. The display also ensures best in class ergonomics that meet all safety regulations. The height adjusts from the desk level up to 150 mm, which puts it in step with the new standards for an ergonomic workspace.

## Benefits

**In-demand display size** - the popular 23.8" display with Full HD resolution is the perfect size for busy office workspaces.

**Maximum connectivity flexibility** - the complete connectivity range (VGA, DVI, DP, HDMI and USB) allows full flexibility for users to connect the display to existing platforms.

**Best in form and function** - future-ready design with 3-sided ultra-narrow bezel, available in black or white, complementing a fresh professional office interior.

**Maximum attention to health and well-being** - the outstanding ergonomic height adjustment from 0 to 150 mm; eye pleasing built-in Low Blue Light and Flicker-Free technology; plus integrated ambient light sensor all combines to tailor the perfect individual setup to boost productivity.

**Auto-Adjust Power Consumption** - to minimize unnecessary power usage, the Human and Ambient Light Sensors adjust the display brightness according to user presence and room lighting conditions.

**Ease of multi-display control** - manage the settings of up to 5 displays in a multi-monitor configuration via the master display with ControlSync® technology.

## Product Information

Product Name	NEC MultiSync® EA241F
Product Group	LCD 23.8" Enterprise Display
Order Code	60004786 (BK), 60004787 (WH)

## Display

Panel Technology	IPS TFT with W-LED backlight
Screen Size [inch/cm]	24 / 60.47
Screen Aspect Ratio	16:9
Colour Gamuts	101.6 % sRGB; 75.3% AdobeRGB, 72% NTSC
Pixel Pitch [mm]	0.275
Brightness (typ.) [cd/m <sup>2</sup> ]	250
Contrast Ratio (typ.)	1000:1 (5000:1 dynamic contrast ratio)
Viewing Angle [°]	178 horizontal / 178 vertical (typ. at contrast ratio 10:1)
Response Time (typ.) [ms]	5 (grey-to-grey)
Colours [Mio.]	16.78 (6-bit per colour)

## Synchronisation Rate

Horizontal Frequency [kHz]	31.5 - 83
Vertical Frequency [Hz]	50 - 75

## Resolution

Optimum Resolution	1920 x 1080 at 60 Hz			
Supported	1920 x 1080; 1680 x 1050; 1440 x 900;	1280 x 1024; 1280 x 960; 1280 x 720;	1024 x 768; 800 x 600; 720 x 576;	720 x 480; 720 x 400; 640 x 480

## Connectivity

Digital	1 x DisplayPort; 1 x DVI-D (with HDCP); 1 x HDMI; USB ver. 3.1 (3 down / 1 up)
Analog	1 x D-sub 15 pin

## Electrical

Power Consumption on Mode [W]	11 (Eco Mode 2); 15 (shipping); 47 (max.)
Power Savings Mode [W]	0.31
Power Supply	0.9 A/0.5 A; 100-240 V; internal power supply

## Environmental Conditions

Operating Temperature [°C]	+5 to +35
Operating Humidity [%]	20 to 80
Storage Humidity [%]	10 to 85
Storage Temperature [°C]	-10 to 60

## Ergonomics

Height adjustable stand [mm]	150 (Landscape mode)
Screen Tilt [°]	-5 to 35
Screen Swivel [°]	-170 to 170
Screen Rotate [°]	0 to 90 (landscape to portrait mode)

## Mechanical

Bezel Width [mm]	0.8 (left/right/top); 15.8 (bottom)
Dimensions (W x H x D) [mm]	319.1 x 555.6 - 615.4 x 250 (Portrait mode); 537.7 x 336.6 - 486.6 x 250 (Landscape mode)
Weight [kg]	With stand: 6.1; Without stand: 3.6
VESA Mounting [mm]	100 x 100 (4 points)

## Additional Features

Colour Versions	Black Front Bezel, Black Back Cabinet; White Front Bezel, White Back Cabinet
Cable Management	yes
Plug and Play	DDC2B/2Bi; VESA DDC/CI; VESA DDC2Bi
Audio	Integrated Speakers (1 W + 1 W)
Adjust Functions	Advanced NTAA (Advanced Non-Touch-Auto-Adjustment)
Shipping Content	Control Sync Cable; DisplayPort cable; Monitor; Power Cable; Set-up Manual; USB Cable
Safety and Ergonomics	CE; EAC; EnergyStar 8.0; ErP; Flicker-free; ISO 9241-307 (pixel failure class I); Low Blue Light; PSB; RoHS; TCO 8.0; TÜV Ergonomics; TÜV GS; UL/C-UL or CSA; WEEE
Warranty	3 years warranty incl. backlight; optional 1st to 3rd year 24/7 usage warranty; optional 4th to 5th year warranty extension

## Green Features

Energy Efficiency	Ambient light sensor; Energy efficiency class: A+; Human sensor
Ecological Standards	Energy Star 8.0; ErP compliant; RoHS compliant; TCO 8.0; WEEE



CE



ErP



RoHS



TCO 8.0



TÜV  
Ergonomics



TÜV GS

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