LCD 23.8" Enterprise Display

NEC MultiSync® EA241F

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.

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.

Specifications

Product Information

Product Name
NEC MultiSync® EA241F

Product Group
LCD 23.8" Enterprise Display

Order Code
L50EA241F (BK), L50EA241F-W (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/m²]
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

1024 x 768;	1440 x 900;	720 x 400;
1280 x 1024;	1680 x 1050;	720 x 480;
1280 x 720;	1920 x 1080;	720 x 576;
1280 x 960;	640 x 480;	800 x 600

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 consumption: 11 kWh/1000 h; Energy efficiency class: C; Human sensor

Ecological Standards
Energy Star 8.0; ErP compliant; RoHS compliant; TCO 8.0; WEEE

* TCO 8.0

* EnergyStar 8.0

TCO 8.0 RoHS CE TÜV GS TÜV Ergonomics ErP

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