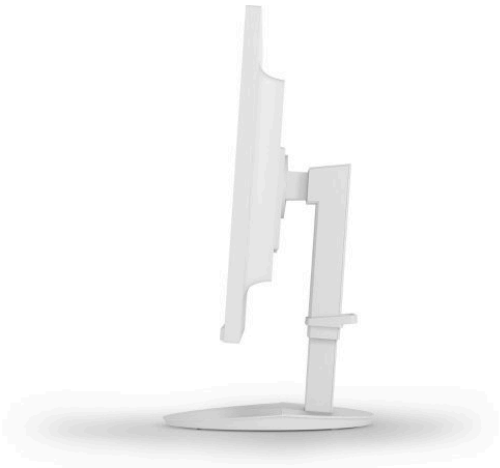
LCD 23.8" Enterprise Display

NEC MultiSync® EA242F





Powering workspace communications

Powering your PC/notebook and all your devices through a single cable, the MultiSync® EA242F is your workspace hub; no docking station required, the 65W USB-C connection means an efficient, clutter-free workstation from which to manage your communications. Easily increase your display area using DisplayPort-out to daisy-chain multiple displays, no additional cabling required.

User comfort is fundamental with full height adjustment, tilt, pivot and swivel supporting customised personal setup, whilst built-in low blue light technologies guard against eye fatigue without compromising true-to-life colour performance. Available in black or white, the 24" EA242F complements office interior design and ergonomics.

The connectivity advantage continues beyond USB Type-C with DisplayPort, HDMI, VGA and USB A for fully future-proof flexibility supporting new open office standards in hot desking and 'bring your own device.'

Benefits

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

Future-proof flexibility – wide connectivity provides high-level flexibility with DP, HDMI, USB Type C, USB A and audio output.

Clutter-free workspace – Powerful 65W USB Type-C connectivity manages video, audio, power and USB via a single cable

Easy multi-screen set-up – Daisy-chain multiple display configurations through DisplayPort-out, no additional cables needed

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.

SHARP

Specifications

Product Information

Product Name
NEC MultiSync® EA242F

Product Group
LCD 23.8" Enterprise Display

Order Code
60005246 (WH), 60005032 (BK)

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 DisplayPort out; 1 x HDMI; 1 x USB Type C; USB ver. 3.1 (3 down / 1 up)

Analog
1 x D-sub 15 pin

Electrical

Power Consumption on Mode [W]
15 (Eco Mode 2); 21 (typ.)

Power Savings Mode [W]
0.3

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: 7

VESA Mounting [mm]
100 x 100 (4 points)

Additional Features

Colour Versions
Black Front Bezel, Black Back Cabinet

Cable Management
yes

Kensington security slot
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; USB-C Cable

Safety and Ergonomics
CE; EAC; EnergyStar 8.0; ErP; Flicker-free; ISO 9241-307 (pixel failure class I); Low Blue Light; PSB; RoHS; 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: 13 kWh/1000 h; Energy efficiency class: D; Human sensor

Ecological Standards
ErP compliant; RoHS compliant; WEEE

* EnergyStar 8.0

TÜV Ergonomics TÜV GS RoHS ErP CE

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