

# MultiSync® EA242F

## LCD 23.8" Enterprise Display

### Datasheet

[Print](#)[Create PDF](#)[Create link](#)[www.sharpnecdispl](http://www.sharpnecdispl)[Select Language](#)

MultiSync® EA242F

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.

## Product Information

Product Name

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/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 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);

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

ErP compliant; RoHS compliant; WEEE

LCD-CE

CE

LCD-ERP

ErP

LCD-RoHS

RoHS

LCD-TCOValue

TCO 8.0

LCD-TUEVErgonomics

TÜV Ergonomics

LCD-TUEVGS

TÜV GS

This document is © 2021 Sharp NEC Display Solutions Europe GmbH.

All rights reserved in favour of their respective owners. All hardware and software names are brand names and/or registered trademarks of the respective manufacturers. All specifications are subject to change without notice. Errors and omissions are excepted. 11.01.2021