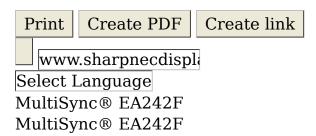
MultiSync[®] EA242F

LCD 23.8" Enterprise Display

Datasheet



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/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

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 +35Operating 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 [ka] 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

TUV 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