LCD 23.8" Enterprise Display

Sharp MultiSync® EA242F





Re-imagine your desktop computing experience

With the MultiSync EA Series, Sharp has developed monitor solutions that push the boundaries of what you've come to know as business-class screen performance. Redesigned for modern workplace requirements, the EA Series features an updated chassis, enhanced display technologies, and a range of connectivity options designed to support current and evolving productivity needs. All models utilise IPS LCD panels, which boast the best possible colour accuracy and minimal viewing angle shift.

Every model features LED backlights, enabling a thin and light design. Equipped with an automated ambient light sensor that adjusts screen luminance relative to room lighting and display content. Includes a user-configurable low-power display mode (ECO Mode™) and an on-screen energy usage tracking tool to assist in monitoring device power draw.

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.

Specifications

Product Information

Product Name
Sharp MultiSync® EA242F

Product Group
LCD 23.8" Enterprise Display

Order Code
DDEA242F (BK), DDEA242FW (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 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; 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: 13 kWh/1000 h; Energy efficiency class: D; Human sensor

Ecological Standards
ErP compliant; RoHS compliant; WEEE

* TCO 8.0

* EnergyStar 8.0

CE TÜV GS TÜV Ergonomics TCO 8.0 RoHS ErP

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