

Sharp MultiSync® EA241F LCD 23.8" Enterprise Display

Datasheet



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. The EA Series deliver a completely redesigned chassis with a host of enhanced features, advanced technologies, future-proof connectivity and environmentally friendly benefits. 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. Other green features include ECO Mode™, a carbon footprint meter and an ambient light sensor, which automatically adjusts the brightness to the optimal setting depending on ambient lighting, screen content or both.

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.

Product Information

Product Name	Sharp MultiSync® EA241F
Product Group	LCD 23.8" Enterprise Display
Order Code	60006212 (BK), 60006213 (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;	1280 x 960;	1920 x 1080;	720 x 480;
	1280 x 1024;	1440 x 900;	640 x 480;	720 x 576;
	1280 x 720;	1680 x 1050;	720 x 400;	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.)
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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

* EnergyStar 8.0

* TCO 8.0



TÜV Ergonomics



RoHS



ErP



CE



TCO 8.0



TÜV GS

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