LCD 27" Enterprise Display

Sharp MultiSync® EA272U

Sharp MultiSync® EA272U – maximum screen estate, minimum cable clutter

For detail-rich applications, the high pixel density UltraHD resolution coupled with 27-inch active screen area results in an expansive digital canvas for the most productive personal workspaces. Extend your visual command even further with a near uninterrupted multi-screen configuration with ultra-narrow bezel and DisplayPort OUT daisy-chain.

Featuring powerful 90W USB Type-C connectivity and embedded LAN, the EA272U becomes a fully functioning Docking Hub solution. With just a single cable to connect notebook/PC to the display whilst powering your device, workspace remains clear of cable clutter and e-waste is minimised. The displays are featuring integrated human and ambient light sensors that dim screen brightness or enter a low-power standby state when no user is detected. Under standard laboratory test conditions (comparing sensor-enabled automation to max-brightness default settings), operational power consumption can be reduced by up to 30% dynamically.

Prioritising user wellbeing, the 150mm height adjustable stand and ergonomic features are easily adjusted to suit individual user requirements whilst low-blue light and flicker-free technologies ensure eye-pleasing comfort and protection.

Benefits

Improve your productivity – enhance your personal workspace with embedded LAN, whereby the display becomes a Docking Hub, eliminating the need for additional hardware and reducing eWaste.

Frictionless workflows – with USB-C connectivity only a single cable is needed to connect your notebook to the display receiving power in return, ideal for hot desking and BYOD scenarios.

Usage-Based Power Adjustments – when the built-in Human Presence and Ambient Light Sensors are active, the monitor dynamically modifies luminance based on room light and user proximity. Compared to standard operating mode at 100% factory luminance, power draw is reduced by up to 30% depending on ambient lighting levels and user absence duration.

Ergonomic comfort – with full 150 mm height adjustability the user can easily adjust the display to achieve the best possible individual set up.

Detail rich visualisation – at 3840 x 2160 pixels, the Ultra HD resolution displays content in crisp detail offering 4 times the pixel density of Full HD.

Specifications

Product Information

Product Name
Sharp MultiSync® EA272U

Product Group
LCD 27" Enterprise Display

Order Code
L50DD-EA272UB (BK), L50DD-EA272UW (WH)

Display

Panel Technology
IPS TFT with W-LED backlight

Screen Size [inch/cm]
27 / 68

Screen Aspect Ratio
16:9

Colour Gamuts
110 % sRGB; 81.6% AdobeRGB, 78% NTSC

Pixel Pitch [mm]
0.155

Brightness (typ.) [cd/m²]
350

Contrast Ratio (typ.)
1000:1 (12000:1 dynamic contrast ratio)

Viewing Angle [°]
178 horizontal / 178 vertical (typ. at contrast ratio 10:1)

Response Time (typ.) [ms]
5

Colours [Mio.]
1064.64332261

Synchronisation Rate

Horizontal Frequency [kHz]
31.5 - 135

Vertical Frequency [Hz]
30 - 75

Resolution

Optimum Resolution
3840 x 2160 at 60 Hz

Supported

1024 x 768;	1920 x 1080;	640 x 480;
1152 x 864;	1920 x 1440;	800 x 600;
1280 x 1024;	2560 x 1440;	832 x 624
1600 x 1200;	3840 x 2160;	

Connectivity

Digital
1 x DisplayPort; 1 x DisplayPort out; 1 x HDMI; 1 x USB Type C (90 W); USB ver. 3.1 (3 down / 1 up)

Output Control
1x LAN/RJ45

Electrical

Power Consumption on Mode [W]
20 (Eco Mode 2); 31 (typ.)

Power Savings Mode [W]
0.5

Power Supply
1.8 A/0.8 A; 100-240 V; integrated 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 [°]
-90 to 90 (landscape to portrait mode)

Mechanical

Bezel Width [mm]
1 (left/right/top)

Dimensions (W x H x D) [mm]
611.8 x 378 - 528 x 250 (Landscape mode)

Weight [kg]
With stand: 9.2; Without stand: 5.8

VESA Mounting [mm]
100 x 100

Additional Features

Special Characteristics
Ambient light sensor for optimized brightness levels; Customize Setting; DDC/CI compatible; DICOM simulation; EcoModes; ErgoDesign®: Height adjustable stand (150 mm) with 90° Pivot features; Human Sensor; LED Backlight Technology; Quick release Stand and Handle; Versatile and easy installation (VESA standard) with NaViSet and NaViKey

Colour Versions
Black Front Bezel, Black Back Cabinet; White Front Bezel, White Back Cabinet

Cable Management
yes

Kensington security slot
yes

Plug and Play
EDID Standard; VESA DDC2Bi; VESA DDCi

Audio
1W + 1W (De-activateable); Headphone Jack

Adjust Functions
DV Mode; EcoMode; Human Sensing; Intelligent Power Management; sRGB

Shipping Content
Display; Power Cable; Set-up Manual; 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 9.0; TCO Edge 2; TÜV Ergonomics; TÜV GS; UL/C-UL or CSA

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; Carbon footprint meter / Carbon savings meter; ECOMode; Energy consumption: 14 kWh/1000 h; Energy efficiency class: C; Human sensor; LED backlight technology

Ecological Materials
Minimal use of harmful material

Ecological Standards
Energy Star 8.0; ErP compliant; RoHS compliant; TCO 9.0

* TCO 9.0

* EnergyStar 8.0

* TCO Edge 2

TCO 9.0 TÜV GS CE ErP RoHS TÜV Ergonomics

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