

## Sharp MultiSync® EA272U LCD 27" Enterprise Display

### Datasheet



#### **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 display's sustainable functionality continues, achieving energy savings of up to 30% by enabling sensor technology to automatically reduce brightness or power down as appropriate to usage scenarios.

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.

**Energy efficiency** – reduce your energy consumption by up to 30% by enabling the built-in Human and Ambient Light Sensors ensuring the display is only powered up according to usage conditions.

**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.

Product Information

|               |                              |
|---------------|------------------------------|
| Product Name  | Sharp MultiSync® EA272U      |
| Product Group | LCD 27" Enterprise Display   |
| Order Code    | 60006064 (BK), 60006081 (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] | 400                                                         |
| 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;          | 1600 x 1200; | 2560 x 1440; | 800 x 600; |
|                    | 1152 x 864;          | 1920 x 1080; | 3840 x 2160; | 832 x 624  |
|                    | 1280 x 1024;         | 1920 x 1440; | 640 x 480;   |            |

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  | Advanced NTAA; Ambient light sensor for optimized brightness levels; ControlSync®; 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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