

LCD 50" Message Essential Large Format Display

# Sharp MultiSync® ME502



## Class-leading performance and value

For best-in-class visual performance and value, the second generation ME series commands feature-rich professional capabilities for meeting rooms and signage applications. The multi-functional Sharp MultiSync® displays with high haze panel, native USB-C connectivity, and quick input detection appeals to Enterprise users for Bring Your Own Device simplicity, supporting hybrid workflows and spontaneous meetings.

An integrated System on Chip (SoC) with Android 13 CTS-compliant Operating System brings the most up to date features and security, powering signage applications and commanding high compatibility with CMS partners, making the multi-purpose Sharp MultiSync® ME series suitable for cost sensitive retail signage applications. Experience seamless access to Android apps and install apps directly on the display using the integrated browser, without the hassle and expense of an additional external media player.

Trusted long-life reliability is assured through Japanese engineering standards and high-quality components. The Sharp MultiSync® ME series is a class-leading solution for today's workplace challenges, bringing value and professional performance, without compromise.

## Benefits

**Seamless connectivity** – native USB-C supports Bring Your Own Device workflows, safeguarding inclusion and boosting productivity, with a single cable connection between notebook and display.

**Best readability** – aiding high productivity in well-lit meeting spaces, a high haze filter eliminates glare and reflections from windows and other light sources.

**Quick input detection** – removing potential frustration and smoothing the way to productive meeting outcomes, the display responds immediately when a device is connected.

**Third-party compatibility** – not simply a display, but an out-of-the-box solution, compatible with popular workplace and content management systems through the integrated SoC platform.

**New feature-ready** – regular OTA Android OS updates ensure availability of the latest features and system security.

# Specifications

## Product Information

### Product Name

Sharp MultiSync® ME502

### Model

PN-ME502

### Product Group

LCD 50" Message Essential Large Format Display

### Order Code

L50ME502

## Display

### Panel Technology

VA with Direct LED backlights

### Screen Size [inch/cm]

50 / 125.7

### Aspect Ratio

16:9

### Brightness [cd/m<sup>2</sup>]

450

### Contrast Ratio (typ.)

5000:1

### Viewing Angle [°]

178 horizontal / 178 vertical (typ. at contrast ratio 10:1)

### Colour Depth [bn]

1.073 (8bit + FRC)

### HDR

HLG; PQ

### Response Time (typ.) [ms]

6

### Panel Refresh Rate [Hz]

60

### Haze Level [%]

Pro (25)

### Supported Orientation

Landscape; Portrait

## Resolution

### Native Resolution

3840 x 2160

### Supported Resolutions

|              |              |              |
|--------------|--------------|--------------|
| 1024 x 768;  | 1440 x 1050; | 3840 x 2160; |
| 1280 x 1024; | 1440 x 900;  | 4096 x 2160; |
| 1280 x 720;  | 1600 x 1200; | 640 x 480;   |
| 1280 x 800;  | 1680 x 1050; | 720 x 480;   |
| 1366 x 768;  | 1920 x 1080; | 720 x 576;   |
| 1366 x 768;  | 1920 x 1200; | 800 x 600    |
| 1400 x 1050; | 1920 x 2160; |              |

## Synchronisation Rate

### Horizontal Frequency [kHz]

15 - 135

### Vertical Frequency [Hz]

23 - 76

## Connectivity

### Input Video Digital

1 x USB-C (with HDCP 1.3/2.2); 3 x HDMI (with HDCP)

### Input Audio Digital

1x USB-C; 3 x HDMI

### Input Control

LAN 100Mbit; remote control wire (3,5mm jack); RS232

### Input Data

3 x USB 2.0 (Downstream)

### Output Audio Analogue

1 x 3,5 mm jack

### Input Detect

Custom; First; Last

## Electrical

### Power Consumption [W]

85 shipping

### Power Savings Mode [W]

< 0.5; < 2 (Networked Standby)

### Power Management

VESA DPMS

## Power Supply

100-240 V AC; 50/60 Hz; internal

## Environmental Conditions

### Operating Temperature [°C]

+0 to +40

### Operating Humidity [%]

20 to 80

### Storage Humidity [%]

10 to 90

### Storage Temperature [°C]

-20 to 60

## Mechanical

### Dimensions (W x H x D) [mm]

1,118.6 x 639.2 x 62

### Weight [kg]

11.7

### Bezel Width [mm]

9.9

### VESA Mounting [mm]

4 holes; 400 x 400 (FDMI); M6

### Ingress Protection

IP5x (front); IP5x (back)

### Packaging Dimensions (W x H x D) [mm]

1,202 x 719 x 156

### Packaging Weight [kg]

17.5

### Colour Bezel

Pantone (Process Black M)

### Material

Metal

## MediaPlayer

### Supported Video Formats

MPG (Mpeg1/2 Layer 1/2/3, max res 4096x2160@60fps); MP4 (Mpeg1/2,H.264, HEVC/H.265, max res 4096x2160@60fps)

## Embedded Computing

### System Version

Android 13

## System Memory

4G RAM

## Internal Storage

32GB ROM

## Built-in Applications

File Manager; Web Browser

## Available Options

### Accessories

Feet (ST-43M); Presence Sensor (KT-RC3); Soundbar (PN-ZCMS1); Speaker (SP-RM3a); Trolley (PD04-Tipster Trolley); Wall mount (PDW S 32-62 L); WiFi Dongle SI07B

## Regulatory

### Safety and Ergonomics

BSMI; CE; EMC Class B; Energy Star 8; FCC Class B; KC/KCC; PSB; RCM; RoHS; VCCI

### Pixel Failure Class

ISO 9241-307, Class 1

### Resistance to Fire

Metal backcover, plastic material certified acc. to UL94-5VB

## Green Features

### Energy Efficiency

Energy consumption: 96 kWh/1000 h; Energy efficiency class: G; LED backlight

### Ecological Standards

EnergyStar 8.0

## 3rd Party Certifications

### Crestron

Certified for Crestron CCV2 and XiO Cloud

## Additional Features

### Special Characteristics

DICOM Simulation; HDMI ARC; Powered USB Port (15 W); Removable Logo

### Audio

Integrated Speakers (10 W + 10 W)

### Shipping Content

2x AAA batteries; Display; HDMI Cable; Power Cable; Remote Control; Setup Manual

### Warranty

3 years warranty incl. backlight; additional services available; optional 4. + 5. year warranty extension <sup>1</sup>

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### Operating Hours

18/7

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### External Control

AMX NetLinx Support; ASCII Control Commands; Crestron Connected; HDMI CEC; Scheduled Timer

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### Remote Management

Automated Email Alerts; NaViSet Administrator 2

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### Security

Disable HW Buttons; Disable IR Functionality; Disable IR Functionality

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<sup>1</sup> please refer to terms and conditions of warranty extensions



RCM



FCC Class B



RoHS



VCCI



CE

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