

# Sharp MultiSync® ME502

LCD 50" Message Essential Large Format Display



## 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  
60005922

## 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;
1360 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>

#### Operating Hours

18/7

#### External Control

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

#### Remote Management

Automated Email Alerts; NaViSet Administrator 2

#### Security

Disable HW Buttons; Disable IR Functionality; Disable IR Functionality

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



RCM



FCC Class B



RoHS



VCCI



CE

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