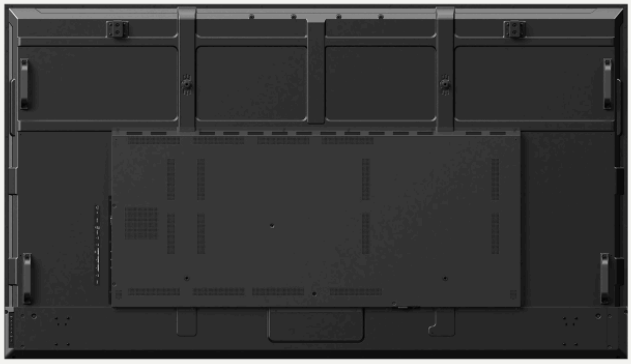
LCD 86" Message Essential Large Format Display

# Sharp MultiSync® ME862





## 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** – a flexible signage platform that supports integration with a wide range of workplace and content management systems.

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

# Specifications

## Product Information

**Product Name**
Sharp MultiSync® ME862

**Model**
PN-ME862

**Product Group**
LCD 86" Message Essential Large Format Display

**Order Code**
L50ME862

## Display

**Panel Technology**
IPS with Direct LED backlights

**Screen Size [inch/cm]**
86 / 217.4

**Aspect Ratio**
16:9

**Brightness [cd/m²]**
500

**Contrast Ratio (typ.)**
1200:1

**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]**
8

**Panel Refresh Rate [Hz]**
60

**Haze Level [%]**
Pro (25)

**Supported Orientation**
Landscape; Portrait

## Resolution

**Native Resolution**
3840 x 2160

**Supported Resolutions**

| | | |
|---|---|---|
| 1024 x 768; | 1366 x 768; | 1920 x 2160; |
| 1024 x 768; | 1400 x 1050; | 3840 x 2160; |
| 1280 x 1024; | 1440 x 900; | 4096 x 2160; |
| 1280 x 1024; | 1600 x 1200; | 640 x 480; |
| 1280 x 720; | 1680 x 1050; | 720 x 480; |
| 1280 x 800; | 1920 x 1080; | 720 x 576; |
| 1360 x 768; | 1920 x 1200; | 800 x 600 |

## Synchronisation Rate

**Horizontal Frequency [kHz]**
15 - 135

**Vertical Frequency [Hz]**
23 - 76

## Connectivity

**HDMI IN 1**
Video Input; UHD (60 Hz) HDCP (2.2); Audio Input; CEC

**HDMI IN 2**
Video Input; UHD (60 Hz) HDCP (2.2); Audio Input; CEC

**HDMI IN 3**
ARC; Video Input; UHD (60 Hz) HDCP (2.2); Audio Input; CEC

**USB-A 1**
USB (2.0); Peripherals

**USB-A 2**
USB (3.0); Peripherals; USB Storage

**USB-A 3**
USB (3.0); Peripherals; USB Storage

**USB-A (Service)**
Service

**USB-C 1**
Video Input; UHD (60 Hz); DP alt. 1.4; HDCP (2.2); Audio Input; USB 2.0 / 3.0; 15 W

**Audio Output (3.5 mm)**
Audio Output; Line Out

**LAN 1**
100 MBit/s

RS-232C
9600 bps

Remote In (3.5 mm)
IR-Extender

Input Detect
Custom; Last; First

## Electrical

Power Consumption [W]
162 shipping

Power Savings Mode [W]
< 0.5; < 2 (Networked Standby)

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]
1,931 x 1,102 x 68

Weight [kg]
42

Bezel Width [mm]
15.9 (symmetrical)

VESA Mounting [mm]
4 holes; 800 x 600 (FDMI); M8

Ingress Protection
IP5x (front); IP5x (back)

Packaging Dimensions (W x H x D) [mm]
2,110 x 1,247 x 225

Packaging Weight [kg]
63

Colour Bezel
Pantone (Process Black M)

Material
Metal

## MediaPlayer

Supported File Storage / File System
FAT16 / FAT32 @ USB 2.0

Supported Video Formats
MKV (Mpeg1/2/3 Layer1/2/3, max res 4096x2160@60fps); MP4 (Mpeg1/2 Layer1/2/3, H.264, HEVC/H.265, max res 4096x2160@60fps)

Supported Audio Formats
.mp3 max. Bit Rate 320 kbps

## Embedded Computing

System Version
Android 13

System Memory
4G RAM

Internal Storage
32GB ROM

Built-in Applications
File Manager; Optional Wireless Screen Sharing – Miracast, Airplay & Google cast, EShare; Web Browser

## Bluetooth

Bluetooth
Optional Wi-Fi Dongle

## Wireless LAN

WLAN
Optional Wi-Fi Dongle

## Available Options

Accessories
Feet (ST-801); Presence Sensor (KT-RC3); Soundbar (PN-ZCMS1); Speaker (SP-RM3a); Trolley (PD02MHA-CB86, PD03MHA-CB86); Wall mount (SF680P); WiFi Dongle SI07B; WiFi Dongle including EShare License

## Regulatory

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

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

## Green Features

### Energy Efficiency
Energy Consumption: 157 kWh/1000 h; Energy Efficiency Class: G; LED Backlight

### Ecological Standards
EnergyStar 8.0

## 3rd Party Certifications

### Cisco
Verified for Cisco Collaboration Devices

### Crestron
Certified for Crestron CCV2 and XiO Cloud

### Q-Sys
Q-Sys Plug-in

## Additional Features

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

### Audio
Integrated Speakers (2 x 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 [1]

### Operating Hours
24/7

### 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

[1] please refer to terms and conditions of warranty extensions

RoHS CE FCC Class B RCM VCCI

This document is © 2026 Sharp Display Solutions Europe GmbH.

All rights reserved in favour of their respective owners. All hardware and software names are brand names and/or registered trademarks of the respective manufacturers. All specifications are subject to change without notice. Errors and omissions are excepted. 26.11.2026