

## Sharp MultiSync® ME432

LCD 43" Message Essential Large Format Display

# Datasheet



### 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.

**Product Information**

|               |                                                |
|---------------|------------------------------------------------|
| Product Name  | Sharp MultiSync® ME432                         |
| Model         | PN-ME432                                       |
| Product Group | LCD 43" Message Essential Large Format Display |
| Order Code    | 60005921                                       |

**Display**

|                           |                                                             |
|---------------------------|-------------------------------------------------------------|
| Panel Technology          | IPS with Direct LED backlights                              |
| Screen Size [inch/cm]     | 43 / 108                                                    |
| Aspect Ratio              | 16:9                                                        |
| Brightness [cd/m²]        | 400                                                         |
| Contrast Ratio (typ.)     | 1200:1                                                      |
| Viewing Angle [°]         | 178 horizontal / 178 vertical (typ. at contrast ratio 10:1) |
| Colour Depth [bn]         | 1.073 (8bit + FRC)                                          |
| 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 1080; | 640 x 480; |
|                       | 1280 x 1024; | 1400 x 1050; | 1920 x 1200; | 720 x 480; |
|                       | 1280 x 720;  | 1440 x 900;  | 1920 x 2160; | 720 x 576; |
|                       | 1280 x 800;  | 1600 x 1200; | 3840 x 2160; | 800 x 600  |
|                       | 1360 x 768;  | 1680 x 1050; | 4096 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                                      |
| Output Audio Digital  | 1 x SPDIF; 1x HDMI                                   |

|                                       |                                                                                                                         |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Input Detect                          | Custom; First; Last                                                                                                     |
| <b>Electrical</b>                     |                                                                                                                         |
| Power Consumption [W]                 | 90 shipping                                                                                                             |
| Power Savings Mode [W]                | < 0.5; < 2 (Networked Standby)                                                                                          |
| Power Management                      | VESA DPMS                                                                                                               |
| Power Supply                          | 100-240 V AC; 50/60 Hz; internal                                                                                        |
| <b>Environmental Conditions</b>       |                                                                                                                         |
| Operating Temperature [°C]            | +0 to +40                                                                                                               |
| Operating Humidity [%]                | 20 to 80                                                                                                                |
| Storage Humidity [%]                  | 10 to 90                                                                                                                |
| Storage Temperature [°C]              | -20 to 60                                                                                                               |
| <b>Mechanical</b>                     |                                                                                                                         |
| Dimensions (W x H x D) [mm]           | 964.6 x 552.5 x 62                                                                                                      |
| Weight [kg]                           | 9.4                                                                                                                     |
| Bezel Width [mm]                      | 9.9                                                                                                                     |
| VESA Mounting [mm]                    | 200 x 200 (FDMI); 4 holes; M6                                                                                           |
| Ingress Protection                    | IP5x (front); IP5x (back)                                                                                               |
| Packaging Dimensions (W x H x D) [mm] | 1,056 x 632 x 156                                                                                                       |
| Packaging Weight [kg]                 | 14.2                                                                                                                    |
| Colour Bezel                          | Pantone (Process Black M)                                                                                               |
| Material                              | Metal                                                                                                                   |
| <b>MediaPlayer</b>                    |                                                                                                                         |
| Supported Video Formats               | MPG (Mpeg1/2 Layer1/2/3, max res 4096x2160@60fps); MP4 (Mpeg1/2 Layer1/2/3, H.264, HEVC/H.265, max res 4096x2160@60fps) |
| <b>Embedded Computing</b>             |                                                                                                                         |
| 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) |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------|

## 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: 77 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                             |

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



VCCI



CE



FCC Class B



RCM



RoHS

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