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

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

Electrical

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

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]	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

MediaPlayer

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)

Embedded Computing

Built-in Applications	File Manager; Web Browser
System Version	Android 13
System Memory	4G RAM
Internal Storage	32GB ROM

Available Options

Accessories	Feet (ST-43M); Presence Sensor (KT-RC3); Soundbar (PN-ZCMS1); Speaker (SP-RM3a); Trolley (PD04-Tipster Trolley); Wall mount (PDW S 32-52 L)

Green Features

Energy Efficiency	Energy consumption: 77 kWh/1000 h; Energy efficiency class: G; LED backlight
Ecological Standards	EnergyStar 8.0

Additional Features

Special Characteristics	DICOM Simulation; HDMI ARC; Powered USB Port (15 W); Removable Logo
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
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 [1]
Operating Hours	18/7
External Control	AMX NetLinx Support; ASCII Control Commands; Crestron Connected; HDMI CEC; Scheduled Timer
Resistance to Fire	Metal backcover, plastic material certified acc. to UL94-5VB

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



VCCI



CE



FCC Class B



RCM



RoHS

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