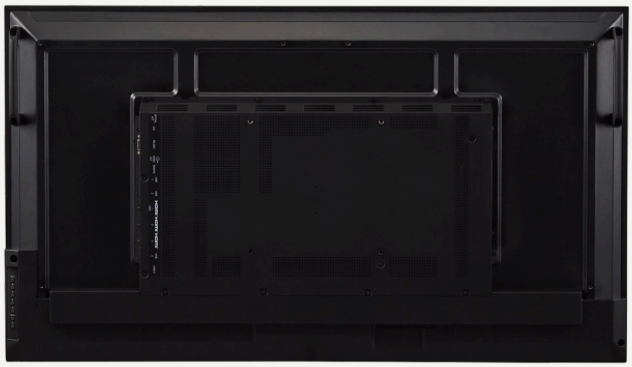
LCD 43" Message Essential Large Format Display

Sharp MultiSync® ME432



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® ME432

Model
PN-ME432

Product Group
LCD 43" Message Essential Large Format Display

Order Code
L50ME432

Display

Panel Technology
IPS with Direct LED backlights

Screen Size [inch/cm]
43 / 108

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;	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
1366 x 768;	1920 x 2160;	
1400 x 1050;	3840 x 2160;	

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]
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 (symmetrical)

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

System Version
Android 13

System Memory
4G RAM

Internal Storage
32GB ROM

Built-in Applications
File Manager; Web Browser

Bluetooth

Bluetooth
Optional Wi-Fi Dongle

Wireless LAN

WLAN
Optional Wi-Fi Dongle

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

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

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

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

VCCI CE FCC Class B RCM RoHS

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