

Sharp Signage Display

Sharp MultiSync® E509



The entry point for professional display solutions, the Sharp MultiSync® E9 Series is designed for modern business environments that need more than a consumer TV can offer.

- Unhindered readability – a high-haze panel reduces glare from windows and ambient light, keeping signage content and presentations clear for uninterrupted viewing in any environment
- Standardised functionality – shares a common identity with the wider Sharp display portfolio, ensuring unified operation and remote device management, and consistent styling for a seamless user experience.
- Effortless plug-and-play signage – the integrated USB MediaPlayer enables native UHD content playback with auto-start functionality, delivering instant digital signage without the need for external hardware or content management systems.
- Flexible orientation – designed for both portrait and landscape installation, with uniform bezel width on all sides to ensure a clean, professional look in any configuration.

Specifications

Panel Data

Bezel Horizontal (mm)	11
Bezel Vertical (mm)	11
Panel Response Time (ms)	8

Installation

Portrait Installation	Yes
Landscape Installation	Yes
Landscape	Yes
Portrait	Yes
Mounting (VESA mm)	200 x 200 (FDMI)
Mounting (Number of Points/Pitch)	4
Mounting Screw Specification (Size/Max Length)	M6

Key Specifications

Special Characteristics	USB Media Player, NaViSet Administrator 2, CEC Support, Powered USB-Port, HDMI ARC, Scheduler
Built in Speakers (W)	10 + 10
Remote Management	Yes
Operating Time	16/7
Supported Image Format	Max. resolution 15360 x 8640, JPG (baseline, progressive, RGB, CMYK)

Additional Features

Colour Versions	Black Back Cabinet, Black Front Bezel
Safety and Ergonomics	UKCA, UL/C-UL or CSA, FCC Class B, CE, EnergyStar 8.0, VCCI, RCM
Warranty	3 years warranty incl. backlight

Weights and Measures

Shipping Carton Dimensions (Width) mm	1253
Shipping Carton Dimensions (Height) mm	761
Shipping Carton Dimensions (Depth) mm	128
Shipping Weight (Kg)	13

Connectivity (Audio/Video) INPUT

Audio 3.5mm Jack	1
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Display

Screen Size (inch)	50
Screen Size (cm)	126

Resolution

Optimum Resolution	3840 x 2160 at 60 Hz
Supported Resolution	1920 x 1200, 1024 x 768, 1280 x 1024, 1920 x 1080, 640 x 480, 1280 x 720, 1280 x 960, 1440 x 900, 1680 x 720, 1280 x 960, 1440 x 900, 1680 x 1050, 3840 x 2160, 1360 x 768, 720 x 576, 720 x 400, 720 x 480, 1400 x 1050, 4096 x 2160

Environmental Conditions

Operating Humidity (min) [%]	20
Operating Humidity (max) [%]	80

Ergonomics

Landscape Dimensions (Width) [mm]	1120
Landscape Dimensions (Height) [mm]	641
Landscape Dimensions (Depth) [mm]	60

PC-Input

Input Data	1 x USB 2.0 (MediaPlayer)
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Video Terminals

Control Terminals	RS232C, LAN
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Audio Terminals

Speaker Output (W RMS)	Internal 10W + 10W
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Accessories

Accessories	Feet, Wall mount, USB-C cable, Trolley
Shipping Content	Cable Clamps, Power Cable, Remote Control, 2 x AAA batteries, Setup Manual, Display

Display Module Data

Panel Technology	VA with Direct LED backlights
Native Resolution (Pixels)	3840 x 2160
Aspect Ratio	16:9
Brightness (cd/m ²)	350
Contrast Ratio	4000:1
Pixel Pitch (mm)	0.285
Viewing Angle (°)	178
Colour Depth [bn]	1.07 (8bit + FRC)
Active Screen Area (H/V) mm	1095 x 616
Max. screen time	up to 16 hours of use per day
Response Time (typ.) [ms]	8

Power Supply and Operating Environment

Operating Voltage (ACV)	100-240
Frequency (Hz)	50-60
Via AC Adapter	Yes
Operating Voltage (DCV)	100-240
Operating Temperature (°C)	0 to 40
Storage Temperature (°C)	-20 to 60
Storage Humidity Min [%]	10
Storage Humidity Max [%]	80
Power Saving Mode (W)	< 2 (Networked Standby)
Battery	< 0.5 (ECO Standby)

Touch Interface Specification

Haze Level [%]	Pro 25
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Connectivity (Control/Serial) Data

RS232C IN	9600
RS232C OUT	9600

Synchronisation Rate

Horizontal Frequency [kHz]	31.5 - 135
Vertical Frequency [Hz]	24 - 75

Connectivity

Digital	HDMI, USB Type C
Output Control	LAN 100Mbit

Electrical

Power Consumption on Mode [W]	99 (shipping)
Power Supply	100-240 V, Internal Power Supply

Mechanical

Bezel Width (Left/Right) [mm]	11
Bezel Width (Upper) [mm]	11
Bezel Width (Lower) [mm]	11

Green Features

Energy Efficiency	LED backlight technology, Energy consumption: 90 kWh/1000 h, Energy efficiency class: G
Ecological Standards	Energy Star 8.0

Projectors

Weight (kg)	9
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