

# SHARP

## PN-LM551 PN-LM431

AQUOS BOARD® Interactive Display Systems



## AQUOS BOARD®

**4K**  
3840 × 2160 Pixels

# PN-LM Series mid-size interactive displays

## Multi-Purpose for Interactive Engagements

For best-in-class touch performance and value, the Sharp LM Series commands feature-rich professional capabilities for small meeting spaces and interactive signage applications. An integrated System on Chip (SoC) with Android 14 CTS-compliant Operating System offers the most up to date features and security for seamless out-of-the-box collaboration.

Boosting creativity in group collaboration, the Sharp LM Series features intuitive Pen-on-Paper writing, a built-in whiteboard, annotation overlay mode and Windows Ink support. Using the on-board EShare app, content can be wirelessly shared from any personal device to the display without the need for apps or dongles. A single USB-C cable transmits data, video, audio and power between notebook and display enabling simple and seamless BYOD workflows.

Featuring a 4-sided uniform slim bezel design, the Sharp LM Series supports installations in landscape, portrait, and tilted desk (low-angle) orientations. Dedicated features including hideable side bars, application lock, and a built-in web browser make the Sharp LM Series an ideal choice for budget-conscious interactive signage applications.

## Wide Range of Pre-Installed Applications

### Whiteboard

Built-in whiteboard app for note taking and brainstorming during meetings.

### Wireless Screen Sharing (EShare)\*

Wirelessly share content from your device to the display, and from the display to multiple devices simultaneously.

### Office & PDF Viewer (OfficeSuite)\*\*

Display Office and PDF files from USB memory stick without connecting a PC using the OfficeSuite app.

### Web Browser

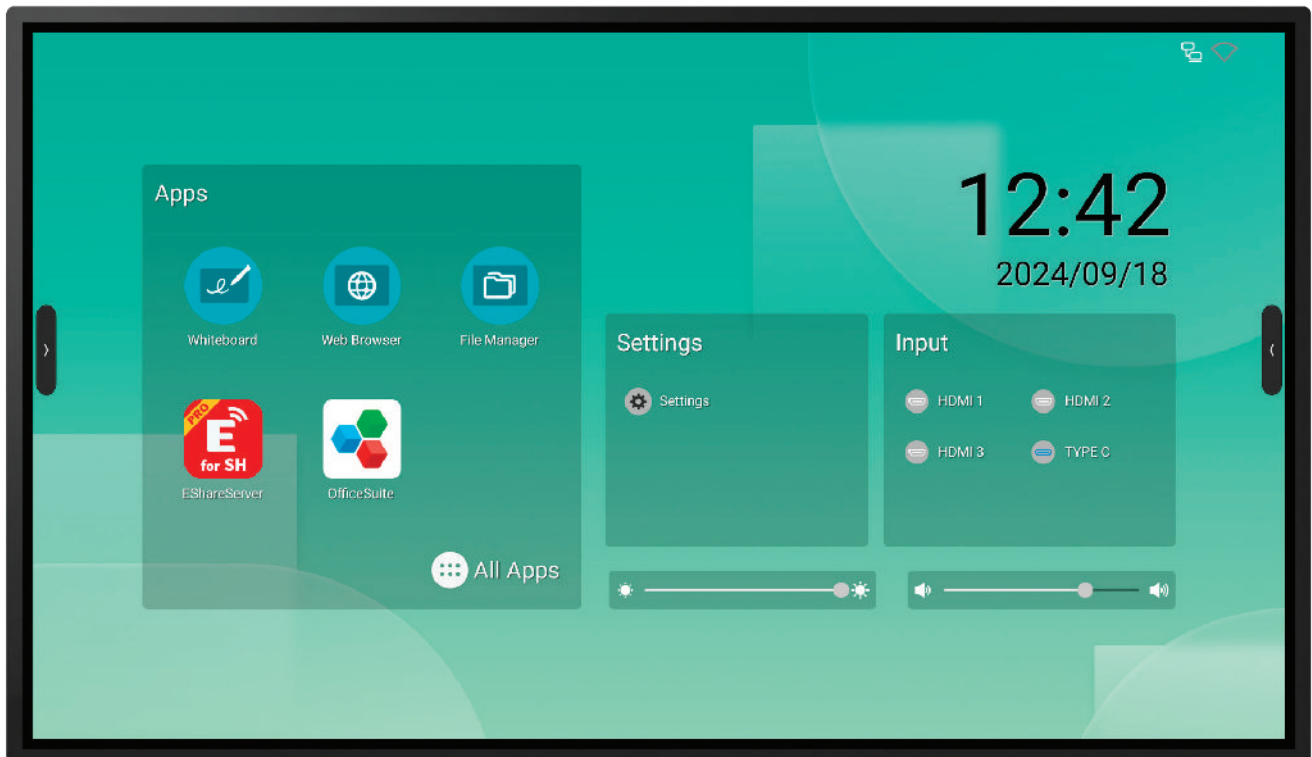
Experience seamless browsing with a built-in web browser, allowing you to effortlessly explore the web without the need for external devices.

### File Manager

With File Manager, easily access and save files from internal storage, USB memory devices, or OneDrive cloud storage, while also viewing or playing back images, music and videos.

\*EShare is a trademark of EShare Technology Co., Ltd.

\*\*OfficeSuite is a trademark of MobiSystems







## Benefits

**Designed for Clarity** – the high-brightness panel ensures content remains readable even in well-lit environments, while the anti-glare, high-haze coating eliminates distracting reflections.

**Pen-On-Paper User Experience** – Zero bonded glass and the latest infrared touch technology enable highly accurate and responsive writing and drawing, supporting up to 20 touch points.

**Out-of-the-Box Collaboration** – the integrated Android PC features a powerful home screen launcher, offering fast and flexible access to a range of pre-installed applications.

**Highly Customizable** – a variety of settings allow the display to be optimized for various applications, from small meeting and huddle rooms to touch signage and wayfinding.

**Safe & Secure** – with the latest Android 14 SoC, the system offers robust security features that meet the highest IT security standards.

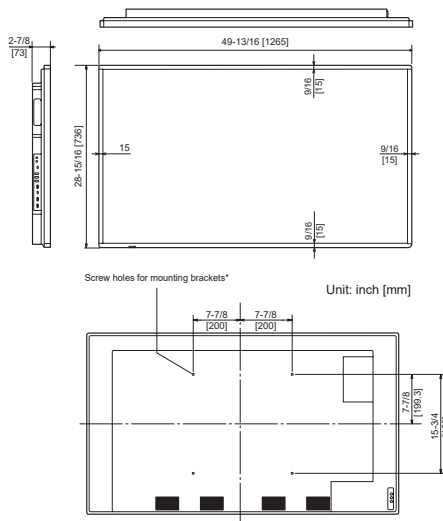


## Specifications

Installation		Landscape/Portrait/Tilt (Backward 0-45°)	
LCD panel	LCD component	55" Class [54-5/8 inch (138.78 cm)diagonal] TFT LCD	43" Class [42-1/2 inch(107.99 cm) diagonal] TFT LCD
	Max. resolution (pixels)	3840 x 2160	
	Max. colors	Approx. 1.07 billion colors	
	Brightness (typical)	500 cd/m <sup>2</sup> *1	
	Pixel pitch	0.315 mm (H) x 0.315 mm (V)	0.245 mm (H) x 0.245 mm (V)
	Contrast ratio (typical)	5000 : 1	4000 : 1
	Screen active area inch	47-5/8 (W) x 26-13/16 (H) (1209.6 x 680.4mm)	37-1/16 (W) x 20-13/16 (H) (941.184 x529.416mm)
	Viewing angle	178° right/left/up/down (contrast ratio ≥ 10)	
	Response speed (standard value)	6.5ms (Gray to Gray, Ave.)	
	Plug and play	VESA DDC2B	
Input terminals	Video / Audio	HDMI x 3 / USB Type-C x 1	
	Serial (RS-232C)	D-sub 9 pin x 1	
	For control kit	3.5 mm mini stereo jack x 1	
Output terminals	Video / Audio	HDMI x 1 *6	
	Audio	3.5 mm mini stereo jack x 1	
USB port		USB 3.0 Type-A x 3 / USB 3.0 Type-C x 1 / USB 2.0 Type-A x 1	
LAN terminal		10 BASE-T/100 BASE-TX/1000 BASE-T	
System	OS	Android 14	
	CPU	Arm Cortex-A73 processor x 4, A53 processor x 4(Octo-Core) v	
	Memory	4GB	
	Storage	32GB	
Wireless LAN		IEEE802.11a/b/g/n/ac/ax compliant Encryption mode: WPA/WPA2/WPA3 enterprise, WPS2.0, WAPI	
Bluetooth		5.3 compliant Supported protocols: A2DP, AVRCP, GATT, HID	
Expansion slot		18 V, 3.6 A (power supplied when expanding the functions with an optional part)	-
Speaker output		10 W + 10 W	
Touch Panel	Detection method	Infrared blocking detection method	
	Computer connector	USB 3.0 Type-B x 1 / USB Type-C x 1	
Power requirement		AC 100 V - 240 V, 3.2 A - 1.3 A, 50/60 Hz	AC 100 V - 240 V,2.6 A - 1.1 A, 50/60 Hz
Operating temperature *2 *3		41°F to 95°F (5°C to 35°C)	
Operating humidity *3		20% to 80% (no condensation)	
Storage temperature		-4°F to 140°F (-20°C to 60°C)	
Storage humidity		10% to 80% (no condensation)	
Power consumption*4 (Max / networked standby mode*5/ standby mode*5)		145W (285W/2.0W/0.5W)	110W (230W/2.0W/0.5W)
Dimensions inch (excluding protrusions)		Approx. 49-13/16 (W) x2-7/8 (D) x 28-15/16 (H) (1265 x 73 x 736mm)	Approx. 39-1/8 (W) x2-7/8 (D) x 22-15/16 (H) (994 x 73 x 582mm)
Weight		Approx. 72.8lbs. (33 kg)	Approx. 46.3lbs. (21kg)

\*1 Brightness will depend on input mode and other picture settings. Brightness level will decrease over time. Due to the nature of the equipment, it is not possible to precisely maintain a constant level of brightness. This is the brightness of the LCD panel. Brightness of product: 450 cd/m<sup>2</sup> \*2 Temperature condition may change when using the monitor together with the optional equipments recommended by SHARP. In such cases, please check the temperature condition specified by the optional equipments.\* \*3 In addition, check the requirements of the computer and other devices to be connected, and make sure that all requirements are satisfied. \*4 Factory setting. (When no optional part is attached.) \*5 When no optional part is attached. Standby time until transitioning to Network Standby: About 5 sec. (setting at the time of shipment from the factory). \*6 If the input video is encrypted with copyright protection, the video cannot be output.

### PN-LM551

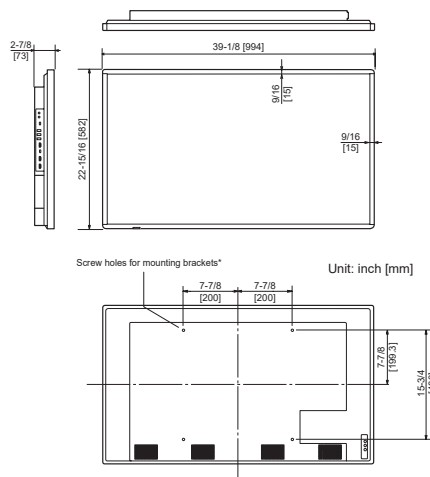


Units: Inch (mm)

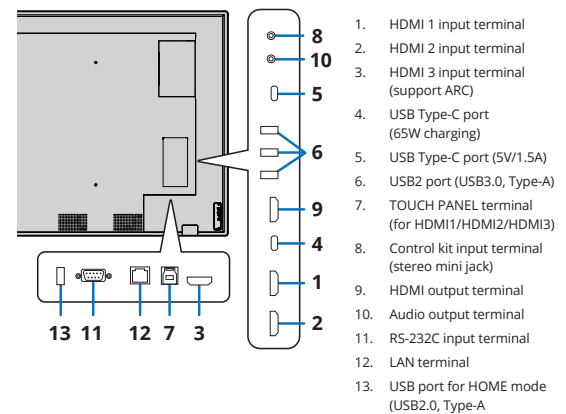


For more information on Synappx application, visit <https://business.sharppusa.com/Synappx>

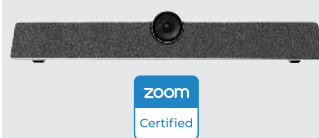
### PN-LM431



### Connectivity



### Optional PN-ZCMS1 AV Soundbar



### PN-ZCMS1 AV Soundbar Specifications

Camera	Pixels	12MP
	Field of view	120°
	Zoom	Max. 5x
	Resolution	Max. 3,840 x 2,160
Microphone	Adjustable Angle	Up 15°, Down 15° (manual)
	Voice Pickup Range	8 meters
Speaker	Mic Array	6 Elements
	Output Power	8 watts

# SHARP

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