SHARP

Commercial Displays Ideal for Digital Signage and Presentation Applications

Cost-conscious digital signage and presentation product line
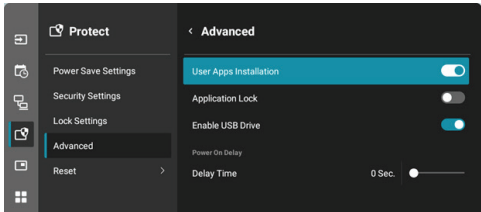
Bring high visual quality when your content matters most for retail, education and corporate installations.

Advanced 4K Displays with Seamless Integration and Enhanced Durability for Digital Signage and Presentation applications

The Sharp MultiSync ME Series offers advanced 4K UHD resolution and full HDR support for vibrant, lifelike visuals, making it ideal for digital signage. Its commercial-grade, full metal chassis and anti-glare, high-haze panels provide durability and reduce light reflections, ensuring long-lasting performance. Equipped with a system-on-chip (SoC) running Android 13, the displays enable easy content management and app installation. The lightweight design simplifies installation, and with USB-C (with DP Alt Mode/Hub support) and HDMI connectivity options on top of the SoC input, integration is effortless. Additionally, the built-in media player allows users to schedule and manage content with ease.

Powerful System-on-Chip Design to Fit Your Signage Needs

Create pixel-perfect imagery at a cost-conscious price point with the new fully commercial Sharp PN-ME Series large format displays. By focusing on bringing high-powered, integrated and easy-to-use media playback to the customer while maintaining the proven reliability and quality of the previous products, the PN-ME series gives customers a reliable mainstream display to fit all of their digital signage needs. The flexible system-on-chip platform not only allows for high-end media playback via USB or internal storage but since these products are powered by Android 13, they also allow the ability to install separate Android Package Kit's (APK) if a third-party application needs to be installed. On top of this, the updated OSD design includes new and legacy functionality within a brand new aesthetically appealing and stylistic approach.

High-End Visual Detail

By supporting native 3840 x 2160 resolution with full HDR compatibility across the entire PN-ME series lineup, imagery and messaging will be more vivid and lifelike than ever before! On top of that, the new high haze, anti-glare panels scatter incidental light that would otherwise take away from messaging shown on the display. This allows your message to be clear and visible in areas where ambient light would usually take away from what really matters most – your content.

Full Commercial Build Quality

Full metal chassis allows for the ruggedness needed for true commercial environments while integrated carrying handles reduce the likelihood of damage during installation. Furthermore, an integrated temperature sensor allows you to monitor internal temperatures in real time. The newly designed mechanical build focuses on maintaining reliability while reducing the overall weight of each model compared to predecessor models. These units are up to 33% lighter than previous models. Additionally, these products have an even bezel design along all four sides meaning that the focus will always be on the content on the screen when in either portrait or landscape orientation.

Optional Wireless Module (SI07B)

Upgrade your PN-MExx2 displays by adding wireless connectivity to your product. This slot-in module will be auto-detected by your PN-MExx2 display, enabling Wi-Fi 6 funcionality along with 802.1x cyber security features.
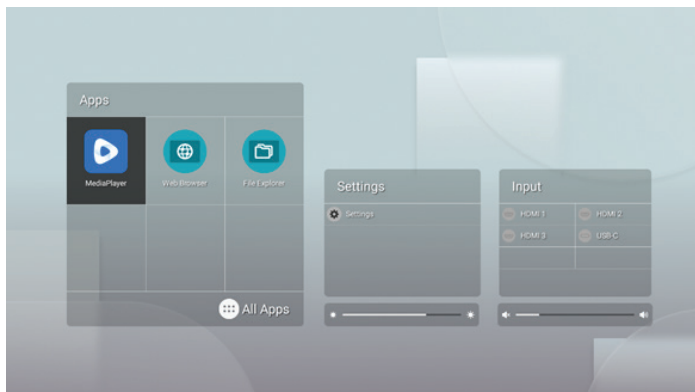
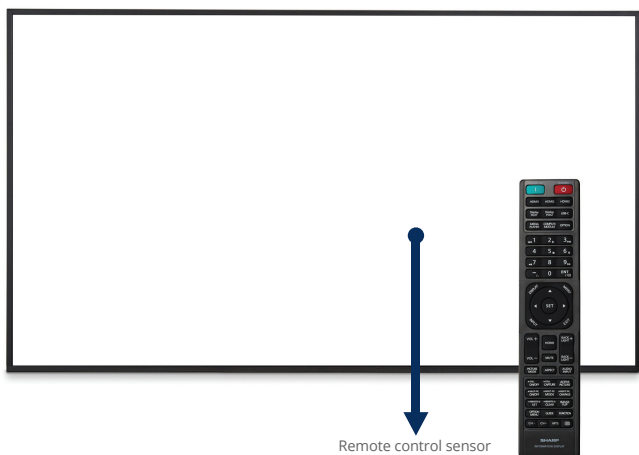| Wifi Standards:	802.11ac/b/g/n/a/ax
Operating Frequency:	2.4Ghz/5Ghz
Operating Range:	10 / 32.8ft

Home Screen Launcher

The MultiSync PN-MExx2 products boot up into a home screen that gives you visual access to app, key settings and input changes right from the start. Integrated web browser functionality can be used for internet access and streaming and File Explorer can be used for navigating through internal or external storage drives. The integrated Media Player gives you access to load files to internal storage or play via USB while content can be scheduled and playlists can be built dependent on when your display is running and what content needs to be shown.

Center IR Receiver

An IR receiver is located behind the panel allowing protective overlays or touch to be integrated over the top without needing to worry about how to extend IR for control.

Remote control sensor

Control Protocol Support

The new Sharp MultiSync PN-MExx2 contains protocol support for both Sharp and NEC legacy products. This means that if you have to replace either a Sharp or NEC product from a previous install, these units can be seamlessly integrated into an existing infrastructure. On top of this, these units support other various protocols dependent on the needs of the application.

NaViSet Administrator

NaViSet Administrator 2™ is included in all Sharp MultiSync PN-MExx2 models. This software is an all-in-one remote support solution that runs from a central location and provides monitoring, asset management and control functionality of Sharp and NEC display devices and Windows computers. It is ideal for multi-device installations over arrays as it allows for task management, reporting and on-demand control options. Control your entire Sharp and NEC display ecosystem through this free optional asset management software!

NaViSet
Administrator 2

Integrated USB Hub

Each PN-MExx2 product contains an integrated USB hub where the USB-C input not only allows for DP-Alt mode capabilities but also provides an upstream data connection. This can be coupled with a USB-A downstream connection in order to allow for control over whatever peripherals are connected into this terminal. This integrated feature helps reduce the cost of supplies needed to achieve this type of configuration.

Input Detect Functionality

This feature allows for the customer to prioritize up to 3 inputs so that if a primary source goes down, the display will automatically switch to whatever the customer has prioritized next. The first detect option also allows for the display to automatically turn onto any source that plugs into it, allowing the display to wake on any synced signal.

Typical Display

If the source fails, this results in a blank screen

PN-MExx2 Series

If the source fails, the display automatically switches to the next prioritized source, allowing for zero down time on the display
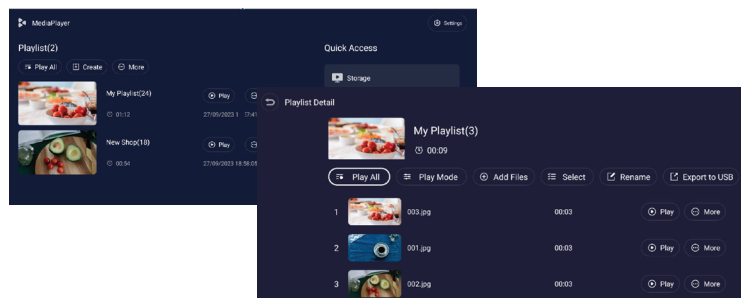
First Detect

Setting the display to First Detect would allow for the display to automatically turn on when any source is plugged into into it.

Integrated Media Player

Build playlists, schedule and play content through high-end integrated media player via integrated storage or USB.
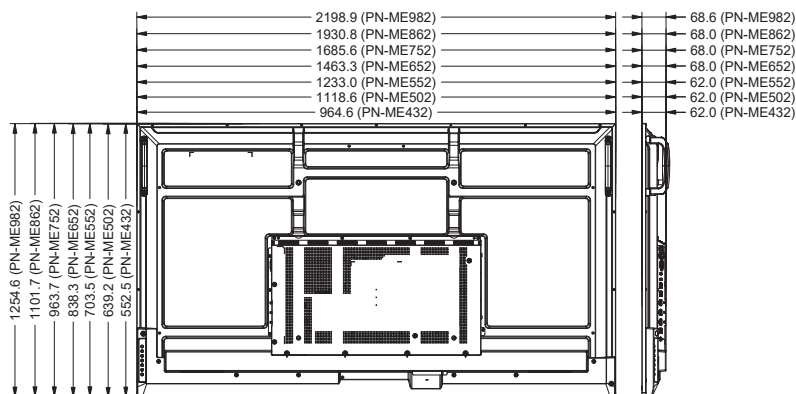
Specifications

MODEL	PN-ME432	PN-ME502	PN-ME552	PN-ME652	PN-ME752	PN-ME862	PN-ME982
LCD MODULE Panel Technology	ADS	VA	ADS				
Viewable Image Size	42.5"	59.5"	54.6"	64.5"	74.5"	85.6"	97.5"
Native Resolution	3840 x 2160						
Brightness (Typical)	400 cd/m2	450 cd/m2					
Contrast Ratio (Typical)	1200:1	5000:1	1200:1				
Viewing Angle	178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>10						
Aspect Ratio	16:9						
Color Gamut	68% NTSC				72% NTSC		
Displayable Colors	Over 1.07 Billion (8 bit + FRC)						
Orientation	Landscape and Portrait (CW Rotation)						
Panel Haze (%)	25 (Anti-Reflective)						
Runtime	18/7						
CONNECTIVITY Input Terminals — Digital	HDMI 2.0 x3, USB-C x1 (DP-Alt Mode Supported)						
Analog	N/A						
Audio	N/A						
External Control	LAN (1000Mbit), 3.5mm Mini Jack IR Remote, RS-232C						
Data	USB 3.0 x1 (5V/0.9A, Downstream), USB 2.0 x1 (5V/0.5A, Downstream), USB 3.0 (Downstream for USB-C), USB-C x1 (Upstream)						
Output Terminals							
Output Terminals — Digital	N/A						
Analog	N/A						
Audio	3.5mm Mini Jack, Optical Audio Out (SPDIF)						
External Control	N/A						
POWER CONSUMPTION On (Typ/Max Brightness/All Max)	90W/110W/175W	85W/105W/170W	120W/150W/220W	140W/175W/240W	132W/190W/300W	162W/295W/405W	206W/334W/444W
Network Standby	2W						
Normal Standby	<0.5W						
Current Rating	2.2A - 0.9A @ 100V - 240V	2.0 - 0.8A @ 100V - 240V	2.6 - 1.1A @ 100V - 240V	3.1 - 1.3A @ 100V - 240V	3.1 - 1.4A @ 100V - 240V	4.1 - 1.9A @ 100V - 240V	4.5 - 2.1A @ 100V - 240V
Speaker Rating	Integrated 10W x 10W, Optional through SP-RM3a						
PHYSICAL SPECIFICATIONS Bezel Width (L/R, T/B)	9.9mm/9.9mm/9.9mm/9.9mm			15.9mm/15.9mm/15.9mm/15.9mm			18.0mm/18.0mm/18.0mm/18.0mm
Net Dimensions (Without stand; W x H x D)	38.0 x 21.8 x 2.4 in. 964.6 x 552.5 x 62.0mm	44.0 x 25.2 x 2.4 in. 1118.6 x 639.2 x 62.0mm	48.5 x 27.7 x 2.4 in. 1233.0 x 703.5 x 62.0mm	57.6 x 33.0 x 2.7 in. 1463.3 x 838.3 x 68.0mm	66.4 x 37.9 x 2.7 in. 1685.6 x 963.7 x 68.0mm	76.0 x 43.4 x 2.7 in. 1930.8 x 1101.7 x 68.0mm	86.6 x 49.4 x 2.7 in. 2198.9 x 1254.6 x 68.6mm
Net Weight	9.4kg / 20.7lbs.	11.7kg / 25.8lbs.	13.2kg / 29.1lbs.	23.9kg / 52.7lbs.	34.3kg / 75.6lbs.	42.0kg / 92.6lbs.	54.5kg / 120.2lbs.
VESA Hole Configuration	4x M6 x 14mm (200 x 200)	4x M6 x 14mm (400 x 400)		4x M8 x 14mm (600 x 400)	4x M8 x 18mm (800 x 600)		4x M8 x 16mm (800 x 600)
INTERNAL PLAYER Operating System	Android 13						
Processor	ARM Cortex-A55 1.5GHz Quad Core CPU						
Storage	32GB ROM (Total Capacity of Storage including OS)						
Memory	4GB						
SENSORS Ambient Light Sensor	Integrated						
Human Sensor	Optional (KT-RC3)						
Temperature Sensor	Integrated						
NFC Sensor	N/A						
ENVIRONMENTAL CONDITIONS Operating Temperature	0° - 40° C / 32 - 104° F						
Operating Humidity	20-80%						
Operating Altitude	5,000m (16,405ft)						
LIMITED WARRANTY	3 years Advanced Replacement						
ADDITIONAL FEATURES	AMX Support, Automated Email Alert Function, CEC Support through all HDMI Connections, ARC through HDMI1, Display Browser Control, Display Wall Calibrator Compatible, E-Share Trial License Included (FW R1.5.17 and newer), HDR Compatible (PQ, HLG, HDR10), Updated OSD Design, Android Operating System/Media Player , NaViSet Administrator 2 Compatible, Screen Rotation for Portrait (Home only), Powered USB Ports, Real Time Clock, Full Scheduler, Quick Start, TileMatrix (5x5), Crestron Connected V2, SNMP, Integrated Temperature sensor, Full Input Detect Functionality (First, Last, Custom), Integrated Ambient Light Sensor, Programmable Gamma, Color Temperature Adjustment (2600K - 10000K), Energy Star 8.0, Vacation Switch						
SHIPS WITH	3m AC Power Cord, 2.0m HDMI Cable, IR Remote Control, Batteries, AAA batteries						
OPTIONAL SPEAKERS	SP-RM3a						
OPTIONAL STAND	ST-43M			ST-65M	ST-801		
OTHER ACCESSORIES	Wifi6 Module (S107B), Human Sensor (KT-RC3)						

Mechanical Dimensions

Width		Depth
2198.9 (PN-ME982)		68.6 (PN-ME982)
1930.8 (PN-ME862)		68.0 (PN-ME862)
1685.6 (PN-ME752)		68.0 (PN-ME752)
1463.3 (PN-ME652)		68.0 (PN-ME652)
1233.0 (PN-ME552)		62.0 (PN-ME552)
1118.6 (PN-ME502)		62.0 (PN-ME502)
964.6 (PN-ME432)		62.0 (PN-ME432)

1254.6 (PN-ME982)
1101.7 (PN-ME862)
963.7 (PN-ME752)
838.3 (PN-ME652)
703.5 (PN-ME552)
639.2 (PN-ME502)
552.5 (PN-ME432)

Tabletop Stand

ST-43M (PN-ME432/PN-ME502/PN-ME552)

ST-65M (PN-ME652 - not pictured)

ST-801 (PN-ME752, PN-ME862, PN-ME982 - not pictured)

Wall Mount

WMK-3298T (For PN-ME432/ME502/ME552)

WMK-7598T (For PN-ME652/ME752/ME862/ME982)

Left Side Connectivity

Input Panels

1. Optical Audio Out (SPDIF)
2. LAN (1000MB)
3. RS-232C
4. Audio Mini-Jack Out
5. IR Remote In (Mini-Jack)
6. USB 2.0
7. USB 3.0
8. HDMI 1 (ARC) In
9. HDMI 2 In
10. HDMI 3 In
11. USB 3.0 (Downstream)
12. USB-C Port (5V/3A, Upstream & DP Alt Mode)
13. Optional slot for WiFi Receiver

Right Side Connectivity

CRESTRON CONNECTED | AMX | (Android) | DP™ | HDMI® HIGH-DEFINITION MULTIMEDIA INTERFACE | ENERGY STAR

SHARP