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# PN-M501




- 50" (125,7 CM) DISPLAY FOR PROFESSIONAL 24/7 SIGNAGE
- 1920 X 1080 PIXELS WITH 450CD/M2
- POWERFUL AND FLEXIBLE STAND-ALONE OPERATION WITH EMBEDDED ANDROID SOC
- FLEXIBLE PERFORMANCE UPGRADE WITH MINI-OPS EXTENSION SLOT
- PORTRAIT, LANDSCAPE, FACE-UP AND FACE-DOWN INSTALLATION SUPPORT
- SLIM BEZEL DESIGN WITH SPEAKERS 7W + 7W
- SHARP E-SIGNAGE S PLAYER PRE-INSTALLED ON ANDROID SOC

Sharp are proud to present a new range of smart large format displays for highly flexible installation and with embedded computer intelligence. The PN-M Series can be easily used in many signage and meeting room applications, where competitive pricing with flexible installation and powerful stand-alone operation is required. Signage and meeting room solutions are further supported by the Sharp Open Architecture Platform of 3rd party commercial applications running on the Android based embedded processor.

The PN-M Series is an exciting addition to the Sharp portfolio of professional monitors and is ideal for retail shops, hospitality areas, reception areas, lobbies, office training rooms and other corporate meeting spaces. With an elegant, slim and discreet cabinet design the PN-M Series offers ease of use and attractive installation in any environment.

The PN-M501 50” (125.7 cm) is designed for 24/7 display usage and is supported with a powerful system on chip (SoC) running the Android operating system. Further flexible performance upgrade is possible when using an optional module in the Mini-OPS extension slot

Offering state-of-the-art, low energy LED backlight technology, for attractive slim bezels and shallow cabinet depth, Sharp’s PN-M501 smart display is an elegant addition to any professional signage application. With solid reliability, superb durability and easy operation, the monitor can be installed in either portrait, landscape mode, face-up or even face-down applications.

The in-built daisy-chain capability via the DisplayPort video connection allows up to 5 units to be connected together to display mirrored content. Just another reason why Sharp’s LCD monitors can be employed to broaden your business potential.

The Sharp e-Signage S Player application for displaying content comes pre-installed on the Android SoC. Image or video content can be uploaded to the player via a USB memory stick and displayed in a variety of frame layouts and formats.

The integrated SOC also features an HTML5 internet browser for easy web-based signage applications streaming content over the network. Wireless networking with the PN-M501 is possible with the optional USB Wireless adapter PN-ZW01.

As an easy-to-use, and versatile solution with excellent image and sound quality, the PN-M501 sets a new standard for powerful and flexible signage applications.

## DISPLAY MODULE DATA

- Panel Technology: **LCD TFT**
- Native Resolution (Pixels): **1920 X 1080**
- Diagonal Size (inches / cm): **50/125.7**
- Aspect Ratio: **16:9**
- Backlight Technology: **EDGE LED**
- Brightness (cd/m2): **450**
- Contrast Ratio: **5000:1**
- Display Colours: **16.77 Million**
- Response Time (grey to grey avg) ms: **9.5**
- Viewing Angle (H/V)0 CR >10: **178/178**

## POWER SUPPLY AND OPERATING ENVIRONMENT

- Operating Voltage(ACV) / Frequency(Hz): **100 - 240/50-60**
- Power Consumption (W) (Operating MAX): **120**
- Power Consumption (W) (Standby): **0.5**
- Operating Temperature (oC): **0 - 40**
- Humidity (%): **20 - 80**
- Heat Dissipation (BTU/h) MAX: **409**

## WEIGHTS AND MEASURES

- Bezel Size (L/R) mm: **12**
- Bezel Size (U/L) mm: **12/15**
- Product Dimensions (W/H/D) mm: **1123/618/68**
- Product Weight Without Stand (Kg): **22**

## CONNECTIVITY (AUDIO/VIDEO) INPUT

- HDMI: **2**
- DisplayPort: **1**
- VGA: **1**
- Audio 3.5mm Jack: **1**

## CONNECTIVITY (CONTROL/SERIAL DATA)

- RS232C IN: **1**
- RS232C OUT: **1**
- LAN Port: **1**
- USB: **3**
- Other: **SD Card Slot**

## KEY SPECIFICATIONS

- 24/7 Operation Certified: ✓
- Built in Speakers (W): **7 + 7**
- Computer Input - Plug and Play: ✓
- Power Management: ✓
- Cabinet Colour: **BLACK**
- Fanless: ✓
- Multi-Screen Function - Videowall Mode (Enlarge Feature): ✓
- Daisychain (Mirror mode): ✓
- Monitor Control Software Support: ✓
- Other: **Android 4.4.2 running on Quad Core (Arm Cortex-A17 Processor) 2GB RAM; 8GB Storage**

## SAFETY AND ENVIRONMENT (EUROPE)

- CE, CB Report: ✓
- Mercury Content (mg): **0**

## INSTALLATION

- Landscape: ✓
- Portrait: ✓
- Horizontal: ✓
- Mounting (VESA/Number of Points/Pitch mm): **4/400mm X 200mm**

## CONNECTIVITY (AUDIO/VIDEO) OUTPUT

- DisplayPort: **1**
- Audio/Headphone 3.5mm Jack: **1**

**www.sharp.co.uk**

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