Large Format Display - Message

# Sharp MultiSync® M862



## Built to perform, designed to last

- Seamless meeting workflows a single USB-C cable transmits video, data, and power for instant, clutter-free meeting setups. As the established standard for modern collaboration spaces, USB-C supports frictionless BYOD experiences.
- 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
- Security assured 802.1x support over LAN enables high-level security for corporate networks, giving peace of mind for IT teams and enterprise environments.
- Enhanced imaging precision when brand consistency and corporate identity are important, NEC's SpectraView Engine provides full control over colour, gamma, and uniformity for accurate and impactful content.
- Broad AV compatibility fully interoperable with leading meeting room platforms including Crestron (XiO Cloud), Cisco Webex, Q-Sys, and Microsoft Teams, ensuring effortless integration and future-proof scalability.

# Options

## IoT and Asset Management

**NaViSet Administrator 2 Sharp/NEC's software suite that provides monitoring, asset management and control functionality for display devices**
Sharp/NEC's software suite that provides monitoring, asset management and control functionality for display devices.

**PD Comms Tool Test tool to quickly diagnose communication issues remotely**
Test tool to quickly diagnose communication issues remotely.

**Firmware Update Tool Utility to assist with updating the firmware of dedicated Sharp/NEC large format and desktop displays**
Utility to assist with updating the firmware of dedicated Sharp/NEC large format and desktop displays.

## Mounting Options

**Wall Mount SF680P Universal XX-Large flat wall mount for dedicated Sharp/NEC large format displays (65" to 98")**
Universal XX-Large flat wall mount for dedicated Sharp/NEC large format displays (65" to 98")

**Wall Mount L20PNWALL90EU Universal X-Large flat wall mount for dedicated Sharp/NEC interactive large format displays (50" to 90")**
Universal X-Large flat wall mount for dedicated Sharp/NEC interactive large format displays (50" to 90").

**Trolley EVER 350 Mobile High-end mobile trolley for dedicated Sharp/NEC large format displays (50" to 98")**
High-end mobile trolley for dedicated Sharp/NEC large format displays (50" to 98").

**Trolley EVER 350 Mobile Motor High-end mobile trolley offering motorised height-adjustability for dedicated Sharp/NEC large format and interactive displays (50" to 98")**
High-end mobile trolley offering motorised height-adjustability for dedicated Sharp/NEC large format and interactive displays (50" to 98").

## Warranty Extensions

**2nd Life Warranty Extension for Large Format Displays (Eco Prime) Optional Second-life warranty (3 years) for dedicated Sharp Large Format and Interactive Displays**
Optional Second-life warranty (3 years) for dedicated Sharp Large Format and Interactive Displays

**2nd Life Warranty Extension for Large Format Displays (Eco Value+) Optional Second-life warranty (1 year) for dedicated Sharp Large Format and Interactive Displays**
Optional Second-life warranty (1 year) for dedicated Sharp Large Format and Interactive Displays

**2nd Life Warranty Extension for Large Format Displays (Eco Select) Optional Second-life warranty (2 years) for dedicated Sharp Large Format and Interactive Displays**
Optional Second-life warranty (2 years) for dedicated Sharp Large Format and Interactive Displays

**Warranty Extension for Large Format Displays and Computing Solutions Optional Warranty Extension (4th to 5th year) for dedicated Sharp Large Format Displays and Computing Solutions**
Optional Warranty Extension (4th to 5th year) for dedicated Sharp Large Format Displays and Computing Solutions

## Interfaces and Adapters

**SDM HDBaseT Receiver Slot-in board for video signal transmission up to 150m through a single network cable**
Slot-in board for video signal transmission up to 150m through a single network cable

**SDM 12G SDI Receiver Slot-in board for transmission of uncompressed and unencrypted video signals in UHD resolution**
Slot-in board for transmission of uncompressed and unencrypted video signals in UHD resolution

## Computing Enterprise

**SDM Slot-In PC Enterprise (RPL) SDM slot-In PC (Intel® COre i5) for demanding meeting room applications**
SDM slot-In PC (Intel® COre i5) for demanding meeting room applications

## Calilbration and Adjustment

**Display Wall Calibrator Automatic adjustment of colour and brightness**
Automatic adjustment of colour and brightness.

## Value Added Services

**De-/Re-install Service for Large Format Displays Optional De-/Re-install Service (1st to 3rd year or 1st to 5th year) for dedicated Sharp Large Format Displays**
Optional De-/Re-install Service (1st to 3rd year or 1st to 5th year) for dedicated Sharp Large Format Displays

**Laser Branding Optional Laser Branding Service for dedicated Sharp Display Products**
Optional Laser Branding Service for dedicated Sharp Display Products

**Support+ Optional additional services (1st to 3rd year) for dedicated Sharp Display Products**
Optional additional services (1st to 3rd year) for dedicated Sharp Display Products

## Speakers and Soundbars

**PN-ZCMS1 All-in-one collaboration videobar incl**
All-in-one collaboration videobar incl. speaker, microphone and camera.

**SP-RM3a Active high-end speaker for dedicated Sharp/NEC large format displays**
Active high-end speaker for dedicated Sharp/NEC large format displays.

**Soundbar bracket TOP SB-T02 Soundbar bracket for MultiSync® MExx2, M551, M652, M751/2, M861/2, M981/2, E758, E868, E988, P556, P656 and P756**
Soundbar bracket for MultiSync® MExx2, M551, M652, M751/2, M861/2, M981/2, E758, E868, E988, P556, P656 and P756.

## Cables

**USB-C 5M 5m USB Type-C cable**
5m USB Type-C cable

**USB-C 7M 7m USB Type-C cable**
7m USB Type-C cable

## Sensors

**Sharp KTES1 ECO Sensor for dedicated Sharp large format displays**
ECO Sensor for dedicated Sharp large format displays.

## Video Wall Options

**Remote Control Kit - KT-RC3 IR/Remote Control Kit for dedicated Sharp/NEC large format displays**
IR/Remote Control Kit for dedicated Sharp/NEC large format displays.

## Computing Essential

**MPi4 Kit powered by Raspberry Pi Slot-in computing moduie based on the Raspberry Pi Compute Module 4**
Slot-in computing moduie based on the Raspberry Pi Compute Module 4

**SDM Essential SDM slot-in PC (Intel® Elkhart Lake Atom) optimised for essential signage applications**
SDM slot-in PC (Intel® Elkhart Lake Atom) optimised for essential signage applications

**SDM MPi5 Kit powered by Raspberry Pi Fanless, silent operation designed for distraction-free environments, built specifically for continuous, dependable 24/7 operation in any orientation**
Fanless, silent operation designed for distraction-free environments, built specifically for continuous, dependable 24/7 operation in any orientation.

## Computing Midrange

**SDM Slot-In PC Midrange (RPL) SDM slot-In PC (Intel® U300E, 5 Cores) for any midrange signage application**
SDM slot-In PC (Intel® U300E, 5 Cores) for any midrange signage application

**SDM Slot-In PC Midrange (ADL) Intel® SDM slot-In PC for any midrange signage applications**
Intel® SDM slot-In PC for any midrange signage applications

**SDM BrightSign Built-In Player Power, flexibility and future-ready performance, without compromise**
Power, flexibility and future-ready performance, without compromise.

## Computing Advanced

**SDM Slot-In PC Advanced (RPL) SDM slot-in PC (Intel® Core i5) for any high-end signage application**
SDM slot-in PC (Intel® Core i5) for any high-end signage application

# Specifications

## General

| | |
|---|---|
| Series | [sharp-m2-series] |
| Order Code | PNM862 |

## Display

| | |
|---|---|
| Aspect Ratio | 16:9 |
| Brightness (cd/m²) | 550 |
| Colour Depth | 1.073 (10bit) |
| Colour Gamut | 72% of NTSC |
| Contrast Ratio | ≥ 8000:1 |
| Haze Level (%) | Pro (25) |
| Panel Refresh Rate (Hz) | 60 |
| Panel Technology | IPS with Direct LED backlights |
| Response Time Grey-to-grey (ms) | 8 |
| Screen Size (inch) | 86 |
| Screen Size (cm) | 217.2 |
| Supported Orientation | Portrait, Face Up, Landscape |
| Viewing Angle | 178 horizontal / 178 vertical (typ. at contrast ratio 10:1) |

## Resolution

| | |
|---|---|
| Native Resolution | 3840 x 2160 |
| Supported Resolutions | 1920 x 1080, 1920 x 1200, 1920 x 2160, 1024 x 768 , 1600 x 1200, 720 x 576, 640 x 480, 1280 x 1024, 1366 x 768, 1280 x 720, 1280 x 800, 1400 x 1050, 1360 x 768, 1270 x 720, 720 x 480, 4096 x 2160, 1680 x 1050, 720 x 400, 3840 x 2160, 1440 x 900, 800 x 600 |

## Connectivity

| | |
|---|---|
| Audio Output 3.5mm | Audio Output, Line Out |
| DisplayPort In 1 | Audio Input, UHD (60 Hz) DP 1.2, HDCP (2.2), Video Input |
| DisplayPort Out | Audio Output, Video Output, UHD (60 Hz) DP 1.2, Loop Through: DisplayPort IN, USB-C 2, HDCP (2.2) |
| HDMI In 1 | CEC, Video Input, ARC, UHD (60 Hz) HDCP (2.2), Audio Input |
| HDMI In 2 | UHD (60 Hz) HDCP (2.2), CEC, Audio Input, Video Input |
| HDMI Out | Video Output, Audio Output, Loop Through: HDMI IN 2, Option, Compute module, UHD (60 Hz) HDCP (2.2) |
| Input Detect | Custom, Last, First |
| LAN 1 | 100 MBit/s |
| LAN 2 | 100 MBit/s |
| LAN 2 Loop Through | LAN 1, RS-232C, IR |
| PiP / PbP | Scalable picture size, 2-Split |
| Remote In (3.5mm) | Eco Sensor (IR-Extender, Ambient and Presence) |
| RS-232C (bps) | 9600 |
| USB-A Service | 2.5 W, Service |
| USB-A 1 | USB Storage, [usb-20-32], Peripherals, [45-w] |
| USB-C 1 | 65 W, Video Input, Audio Input, USB 2.0 / 3.2, DP alt. 1.2, HDCP (2.2), UHD (60 Hz) |
| USB-C 2 | USB 2.0 / 3.2, Peripherals, 7.5 W, Storage |

## Calibration

| | |
|---|---|
| Calibration Software | Display Wall Calibrator |
| Calibration With Software | Update Factory Calibration, RGB, Intensity, White Point, Corner Uniformity, Gamma |
| Factory Calibration | White Point, Uniformity, RGB, Gamma, Intensity |

## Open Modular Intelligence

| | |
|---|---|
| Compute Module Slot | [accepts-intel-smart-display-modules-large-and-small-up-to-66], MPi4 and MPi5 Kit (powered by Raspberry Pi) |

## Sensors

| | |
|---|---|
| Ambient Light Sensor | Integrated, triggered actions programmable |
| Human Sensor | optional via Eco Sensor (KTES1) |
| Temperature Sensor | Integrated, 3 sensors, triggered actions programmable |

## Electrical

| | |
|---|---|
| Power Consumption typ. (W) | 190 |
| Power Supply | 50/60 Hz, 100-240 V AC, internal |
| Power Savings Mode (W) | < 2.0 (Networked Standby), < 0.5 |

## Mechanical

| | |
|---|---|
| Bezel Width Bottom (mm) | 14.8 |
| Bezel Width Right (mm) | 14.3 |
| Bezel Width Left (mm) | 14.3 |
| Bezel Width Top (mm) | 14.3 |
| Dimensions Width (mm) | 1927.6 |
| Dimensions Height (mm) | 1099.1 |
| Dimensions Depth (mm) | 83.2 |
| Ingress Protection | IP5X (front); IP2X (back) |
| Packaging Dimensions Width (mm) | 2090 |
| Packaging Dimensions Height (mm) | 1225 |
| Packaging Dimensions Depth (mm) | 225 |
| Packaging Weight (kg) | 64 |
| VESA Mounting Holes | 4 |
| VESA Mounting Screw | M8 |
| VESA Mounting FDMI | 600 x 400 |
| Weight (kg) | 47 |
| Material | Metal |

## Environmental Conditions

| | |
|---|---|
| Operating Humidity (%) | 20 to 80 |
| Operating Temperature (°C) | +0 to +40 |
| Storage Humidity (%) | 10 to 80 |
| Storage Temperature (°C) | -20 to 60 |

## Regulatory

| | |
|---|---|
| Pixel Failure Class | ISO 9241-307, Class 1 |
| Resistance to Fire | Metal backcover, plastic material certified acc. to UL94-5VB |
| Safety and Ergonomics | UKCA, EMC Class B, RoHS, REACH, CE, FCC, UL/C-UL |

## Green Features

| | |
|---|---|
| Ecological Standards | EnergyStar 8.0 |
| Energy Efficiency Class | G |
| Energy Consumption (kWh/1000h) | 189 |

## 3rd Party Certifications

| | |
|---|---|
| 3rd Party Certificate | Certified for Crestron CCV2 and XiO Cloud, Verified for Cisco Collaboration Devices, Q-Sys Plug-in |

## Additional Features

| | |
|---|---|
| Audio | Integrated Speakers (2 x 10 W) |
| External Control | SNMP |
| Operating Hours | 24/7 |
| Remote Management | NaViSet Administrator 2 |
| Security | Disable HW Buttons, Disable IR Functionality, IEEE802.1X (LAN) |
| Shipping Content | Remote Control , 2 x AAA batteries, Display, Power Cable, Setup Manual, HDMI Cable |
| Special Characteristics | DICOM Simulation, Clone Settings, Scheduler |
| Warranty | 3 years warranty incl. backlight, optional 4. + 5. year warranty extension, additional services available |

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