

Sharp MultiSync® M862



Built to perform, designed to last

The versatile solution for professional display applications, the Sharp MultiSync® M2 Series (32" up to 98") is purpose-built for demanding signage and meeting room environments. With native USB-C connectivity and broad compatibility with platforms such as Crestron, Cisco Webex, and Microsoft Teams, it enables seamless BYOD collaboration and future-ready integration, while 802.1x LAN support ensures enterprise-grade network security. Featuring class-leading 550 cd/m² brightness, a high-haze panel to minimise glare, and NEC's trusted SpectraView Engine, the M2 Series delivers outstanding visual performance with unmatched colour precision.

As part of the new Sharp-branded display family, the MultiSync® M2 Series builds on NEC's legacy of quality and reliability to drive greater efficiency and long-term value. Its proven modular design supports custom computing options (Raspberry Pi or Intel® SDM) and flexible connectivity (e.g. AV-over-IP), ensuring lasting versatility, performance, and sustainability.

Benefits

- **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.

Specifications

Product Information

Product Name
Sharp MultiSync® M862

Model
PN-M862

Product Group
LCD 86" Message Large Format Display

Order Code
60006058

Display

Panel Technology
IPS with Direct LED backlights

Screen Size [inch/cm]
86 / 217.2

Aspect Ratio
16:9

Brightness [cd/m²]
550

Contrast Ratio
≥ 8000:1¹

Viewing Angle [°]
178 horizontal / 178 vertical (typ. at contrast ratio 10:1)

Colour Depth [bn]
1.073 (10bit)

Colour Gamut
72% of NTSC

Response Time (typ.) [ms]
8

Panel Refresh Rate [Hz]
60

Haze Level [%]
Pro (25)

Supported Orientation
Face Up²; Landscape; Portrait

Resolution

Native Resolution
3840 x 2160

Supported Resolutions

1024 x 768;	1440 x 900;	4096 x 2160;
1270 x 720;	1600 x 1200;	640 x 480;
1280 x 1024;	1680 x 1050;	720 x 400;
1280 x 720;	1920 x 1080;	720 x 480;
1280 x 800;	1920 x 1200;	720 x 576;
1360 x 768;	1920 x 1200;	800 x 600
1366 x 768;	1920 x 2160;	
1400 x 1050;	3840 x 2160;	

Synchronisation Rate

Horizontal Frequency [kHz]
15 - 135

Vertical Frequency [Hz]
23 - 76

Connectivity

HDMI IN 1
Video Input; UHD (60 Hz) HDCP (2.2); Audio Input; ARC; CEC

HDMI IN 2
Video Input; UHD (60 Hz) HDCP (2.2); Audio Input; CEC

HDMI OUT

Video Output; UHD (60 Hz) HDCP (2.2); Audio Output; Loop Through: HDMI IN 2, Option, Compute module

DP IN 1

Video Input; UHD (60 Hz) DP 1.2; HDCP (2.2); Audio Input

DP OUT

Video Output; UHD (60 Hz) DP 1.2; HDCP (2.2); Audio Output; Loop Through: DisplayPort IN, USB-C 2

USB-A 1

USB (2.0 / 3.2); 4.5 W; Peripherals; USB Storage

USB-A (Service)

2.5 W; Service

USB-C 1

Video Input; UHD (60 Hz); DP alt. 1.2; HDCP (2.2); Audio Input; USB 2.0 / 3.2; 65 W

USB-C 2

USB 2.0 / 3.2; 7.5 W; Peripherals; Storage

Audio Output (3.5 mm)	Power Savings Mode [W]
Audio Output; Line Out	< 0.5; < 2 (Networked Standby)
LAN 1	Power Management
100 MBit/s	VESA DPMS
LAN 2	Power Supply
Loop Through: LAN 1, RS-232C, IR; 100 MBit/s	100-240 V AC; 50/60 Hz; internal
RS-232C	Environmental Conditions
9600 bps	Operating Temperature [°C]
Remote In (3.5 mm)	+0 to +40
Eco Sensor (IR-Extender, Ambient and Presence)	Operating Humidity [%]
Input Detect	20 to 80
Custom; Last; First	Storage Humidity [%]
PiP / PbP	10 to 80
2-Split; Scalable picture size	Storage Temperature [°C]
Calibration	-20 to 60
Factory Calibration	Mechanical
Gamma; Intensity; RGB; Uniformity; White Point	Dimensions (W x H x D) [mm]
Calibration with Software	1,927.6 x 1,099.1 x 83.2
Corner Uniformity; Gamma; Intensity; RGB; Update Factory	Weight [kg]
Calibration; White Point	47
Calibration Software	Bezel Width [mm]
Display Wall Calibrator	14.3 (left, right and top); 14.8 (bottom)
Open Modular Intelligence	VESA Mounting [mm]
Intel® SDM	4 holes; 600 x 400 (FDMI); M8
accepts Intel® Smart Display Modules Large and Small up to 66 W	Ingress Protection
Compute Module Slot	IP5x (front); IP2x (back)
MPi4 and MPi5 Kit (powered by Raspberry Pi)	Packaging Dimensions (W x H x D) [mm]
Sensors	2,090 x 1,225 x 225
Ambient Light Sensor	Packaging Weight [kg]
Integrated, triggered actions programmable	64
Human Sensor	Material
optional via Eco Sensor (KTES1)	Metal
Temperature Sensor	Available Options
Integrated, 3 sensors, triggered actions programmable	Accessories
Electrical	Eco Sensor (KTES1); Feet (ST-801); Remote control kit (KTRC3);
Power Consumption [W]	Speaker (SP-RM3a); Trolley (L20PNSR780MEU); USB-C cable (USB-C 5M, USB-C 7M); Wall mount (L20PNWALL90EU, SF680P)
190 shipping	

Power Savings Mode [W]
< 0.5; < 2 (Networked Standby)
Power Management
VESA DPMS
Power Supply
100-240 V AC; 50/60 Hz; internal
Environmental Conditions
Operating Temperature [°C]
+0 to +40
Operating Humidity [%]
20 to 80
Storage Humidity [%]
10 to 80
Storage Temperature [°C]
-20 to 60
Mechanical
Dimensions (W x H x D) [mm]
1,927.6 x 1,099.1 x 83.2
Weight [kg]
47
Bezel Width [mm]
14.3 (left, right and top); 14.8 (bottom)
VESA Mounting [mm]
4 holes; 600 x 400 (FDMI); M8
Ingress Protection
IP5x (front); IP2x (back)
Packaging Dimensions (W x H x D) [mm]
2,090 x 1,225 x 225
Packaging Weight [kg]
64
Material
Metal
Available Options
Accessories
Eco Sensor (KTES1); Feet (ST-801); Remote control kit (KTRC3);
Speaker (SP-RM3a); Trolley (L20PNSR780MEU); USB-C cable (USB-C 5M, USB-C 7M); Wall mount (L20PNWALL90EU, SF680P)

Regulatory

Safety and Ergonomics

CE; EMC Class B; Energy Star 8; FCC Class B; REACH; RoHS; UKCA; UL/C-UL or CSA

Pixel Failure Class

ISO 9241-307, Class 1

Resistance to Fire

Metal backcover, plastic material certified acc. to UL94-5VB

Green Features

Energy Efficiency

Energy consumption: 189 kWh/1000 h; Energy efficiency class: G; LED backlight

Ecological Standards

EnergyStar 8.0

3rd Party Certifications

Crestron

Certified for Crestron CCV2 and XiO Cloud

Additional Features

Special Characteristics

CEC Support; Clone Settings; DICOM Simulation; HDMI ARC; Scheduler

Colour Versions

Black Front Bezel, Black Back Cabinet

Audio

Integrated Speakers (10 W + 10 W)

Shipping Content

2x AAA batteries; Display; HDMI Cable; Power Cable; Remote Control; Setup Manual

Warranty

3 years warranty incl. backlight; additional services available; optional 4. + 5. year warranty extension ³

Operating Hours

24/7

External Control

AMX NetLinx Support; Crestron V2; HDMI CEC; HTTP Browser; PJLink; Scheduled Timer; SNMP

Remote Management

NaViSet Administrator 2

Security

Disable HW Buttons; Disable IR Functionality; Emergency Notification; IEEE802.1X (LAN)

¹ out of the box conditions, local dimming ON

² adjusted usage conditions for face up/down installations, please refer to operational guidelines or contact our support

³ please refer to terms and conditions of warranty extensions



FCC Class B



RoHS



CE

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