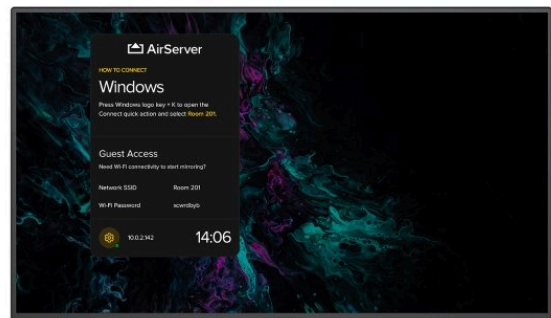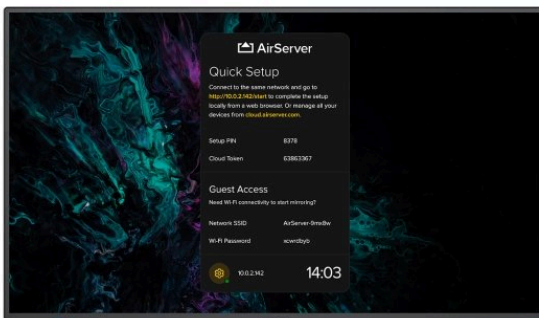# NEC MultiSync® M861 AirServer

LCD 86" Midrange Large Format Display (incl. AirServer® Embedded Screen Mirroring Solut...

Datasheet

Content sharing made simple with native wireless screen mirroring

Initiating effective collaboration in meeting rooms has never been easier to plan, install and operate. Simply share content from your personal device to the large meeting room display.

The MultiSync® ME/M series AirServer models provide a sleek combination of intuitive screen sharing with professional display technology for meeting rooms and huddle spaces.

Future-proof and upgradable, AirServer software is powered by a pre-installed modular SoC Raspberry Pi module which transforms the Sharp/NEC M and ME series large format display into a universal screen mirroring receiver. With AirServer enabled on the Sharp/NEC large format display, users can wirelessly mirror the content on their personal screen (Mac or PC, iPhone, iPad, Android or Chromebook) to the meeting room display, instantly turning the room into a collaborative space.

Benefits

Unhindered readability – no reflections from windows or other light sources means no disruption to the visibility of signage content or meeting room presentation

Enhanced imaging performance – advanced settings of all relevant visual parameters allow full control of brightness, colour, gamma and uniformity via the SpectraView Engine for precise, natural images.

Mission-critical 24/7 ready operation – the meticulous selection of industrial-grade components and careful design focused on demanding usage scenarios accompany an impressive and continuous viewer experience.

Future Ready Connectivity – featuring multiple industry standard digital and analogue signal inputs for flexible integration into AV infrastructures.

Secure remote management – control your devices remotely and securely using NEC NaviSet Administrator 2; proactively manage maintenance requirements saving time and resources

Product Information

Product Name	NEC MultiSync® M861 AirServer
Product Group	LCD 86" Midrange Large Format Display (incl. AirServer® Embedded Screen Mirroring Solution)
Order Code	40001655

Display

Panel Technology	IPS with Direct LED backlights
Screen Size [inch/cm]	86 / 217.4
Aspect Ratio	16:9
Brightness [cd/m²]	500
Contrast Ratio	≥ 8000:1 [1]
Viewing Angle [°]	178 horizontal / 178 vertical (typ. at contrast ratio 10:1)
Colour Depth [bn]	1.073 (10bit)
Colour Gamut	68% of DCI
Response Time (typ.) [ms]	8
Panel Refresh Rate [Hz]	60
Haze Level [%]	Pro (28)
Supported Orientation	Landscape; Portrait

Resolution

Native Resolution	3840 x 2160			
Supported Resolutions	1024 x 768;	1366 x 768;	1920 x 1080;	2560 x 1600;
	1280 x 1024;	1400 x 1050;	1920 x 1200;	3840 x 2160;
	1280 x 720;	1440 x 900;	1920 x 2160;	4096 x 2160;
	1360 x 768;	1600 x 1200;	2560 x 1440;	7680 x 4320

Synchronisation Rate

Horizontal Frequency [kHz]	15 - 135
Vertical Frequency [Hz]	23 - 76

Connectivity

Input Video Digital	2 x DisplayPort (with HDCP); 2 x HDMI (with HDCP)
Input Audio Digital	1 x DisplayPort; 2 x HDMI
Input Control	LAN 100Mbit; remote control wire (3,5mm jack); RS232
Input Data	1 x USB 2.0 (Downstream); 1 x USB 2.0 (Powered 5V/2A, Firmware Updates); 1 x USB 2.0 Type-B (Downstream)

Output Video Digital	1 x DisplayPort (loop through: DisplayPort, SDM slot-in PC); 1 x HDMI (loop through: HDMI, SDM slot-in PC); DP (in) to HDMI (out) conversion
Output Audio Analogue	1 x 3,5 mm jack
Output Control	1 x LAN 100Mbit
Input Detect	Custom; First; Last
PiP/PbP	Dual-Split; Quad-Split; scalable picture size

Calibration

Factory Calibration	Gamma; Intensity; RGB; Uniformity; White Point
Sensor Calibration (through USB)	PC-less Calibration with USB Sensor MDSVSensor3; White Copy (post self-calibration)
Calibration with Software	Corner Uniformity; Gamma; Intensity; RGB; Update Factory Calibration; White Point
Calibration Software	NEC Display Wall Calibrator

AirServer Embedded Screen Mirroring Solution

AirPlay	code and password; extend macOS display; iOS, iPadOS and macOS; screen mirroring and content sharing
Google Cast	Android, Chrome OS and Google Chrome; prompt security; screen mirroring and cast from apps with DRM
Miracast	Android and Windows; extend Windows 10 desktop; Miracast over infrastructure; screen mirroring; touchback and pen support
Guest Connectivity	2.4 and 5 GHz channel selection; access control (device only, Internet only or Internet/LAN; Wi-Fi Hotspot; WPA2 security
Video Output	up to Full HD (1920 x 1080) at 60 fps
No. of Connections	1
Networking	1 x Gigabit LAN; 802.11 ac/b/g/n Wi-Fi; 802.1X security; IPv6 adresses; Proxy
Automatic Updates	provides new features and security enhancements

Sensors

Ambient Light Sensor	Integrated, triggered actions programmable
Temperature Sensor	Integrated, 3 sensors, triggered actions programmable

Electrical

Power Consumption [W]	320 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]	65.1
Colour Bezel	Pantone 426M (black)
Material	Metal

Available Options

Accessories	Feet (ST-801); Speaker (SP-RM3); Trolley (L20PNSR780MEU, PD02MHA, PD03MHA); Wall mount (L20PNWALL90EU, SF680P)

Regulatory

Safety and Ergonomics	BSMI; CE; EAC; EMC Class B; Energy Star 8; FCC Class B; KC/KCC; PSB; RCM; RoHS; VCCI
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: 193 kWh/1000 h; Energy efficiency class: G; LED backlight
Ecological Standards	EnergyStar 8.0

Additional Features

Special Characteristics	DICOM Simulation; HDMI ARC; Powered USB Port (10 W); Removable Logo

Audio	Integrated Audio Amplifier (for optional speakers up to 2 x 15 W); 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 [2]
Operating Hours	24/7
External Control	AMX NetLinx Support; ASCII Control Commands; Crestron Connected; HDMI CEC; HTTP Browser; PJLink; Scheduled Timer; SNMP
Remote Management	Automated Email Alerts; NEC NaViSet Administrator 2
Security	Disable HW Buttons; Disable IR Functionality; Emergency Notification

[1] out of the box conditions, local dimming ON

[2] please refer to terms and conditions of warranty extensions

RCM	RoHS	FCC Class B	CE	VCCI