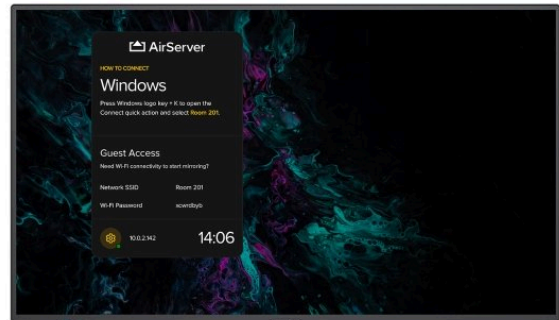
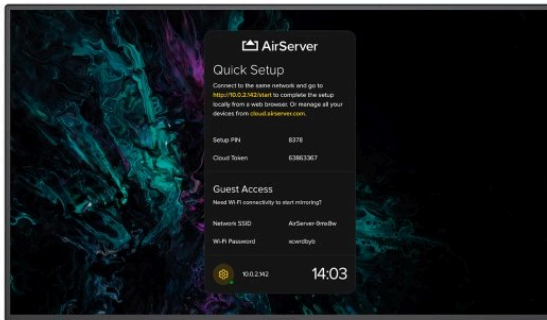


NEC MultiSync® M491 AirServer

LCD 49" Midrange Large Format Display (incl. AirServer® Embedded Screen Mirroring Solution)

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

Modern and slim design – robust yet elegant allowing for an unobtrusive integration into any application and environment.

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

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

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.

Product Information

| | |
|---------------|---|
| Product Name | NEC MultiSync® M491 AirServer |
| Product Group | LCD 49" Midrange Large Format Display (incl. AirServer® Embedded Screen Mirroring Solution) |
| Order Code | 40001581 |

Display

| | |
|---------------------------|---|
| Panel Technology | IPS with Edge LED backlights |
| Screen Size [inch/cm] | 49 / 123.2 |
| 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] | 1.076 (10bit) |
| Response Time (typ.) [ms] | 8 |
| Panel Refresh Rate [Hz] | 60 |
| Haze Level [%] | Pro (28) |
| Supported Orientation | Landscape; Portrait |

Synchronisation Rate

| | |
|----------------------------|----------|
| Horizontal Frequency [kHz] | 26 - 135 |
| Vertical Frequency [Hz] | 23 - 86 |

Resolution

| | | | | |
|-----------------------|---|--|--|---|
| Native Resolution | 3840 x 2160 | | | |
| Supported Resolutions | 1024 x 768; 1280 x 1024; 1280 x 720; 1360 x 768; | 1366 x 768; 1400 x 1050; 1440 x 900; 1600 x 1200; | 1650 x 1050; 1900 x 1200; 1920 x 1080; 1920 x 2160; | 2560 x 1440; 2560 x 1600; 3840 x 2160; 4096 x 2160 |

Connectivity

| | |
|-----------------------|--|
| Input Video Digital | 1 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 (MediaPlayer) |
| Output Audio Analogue | 1 x 3,5 mm jack |
| Input Detect | Custom; First; Last |

Open Modular Intelligence

| | |
|---------------------|---|
| Intel® SDM | accepts Intel® Smart Display Modules Large and Small up to 66 W |
| Compute Module Slot | RPi Compute Module 4 |

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 addresses; 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 Eco/max. [W] | 80 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 90 |
| Storage Temperature [°C] | -20 to 60 |

Mechanical

| | |
|---------------------------------------|--|
| Dimensions (W x H x D) [mm] | 1,103.4 x 636.2 x 61.1 |
| Weight [kg] | 21.8 |
| Bezel Width [mm] | 12 (top); 12.5 (left and right); 15.6 (bottom) |
| VESA Mounting [mm] | 300 x 300 (FDMI); 4 holes; M6 |
| Ingress Protection | IP5x (front); IP2x (back) |
| Packaging Dimensions (W x H x D) [mm] | 1,298 x 860 x 224 |
| Packaging Weight [kg] | 28.7 |
| Colour Bezel | Pantone 426M (black) |
| Material | Metal |

MediaPlayer

| | |
|--------------------------------------|---|
| Supported File Storage / File System | USB 2.0 / FAT16, FAT32 |
| Supported Image Formats | JPG (baseline, progressive, RGB, CMYK); max. resolution 15360 x 8640 |
| Supported Video Formats | MPG (MPEG1/2/4, max res 1080p@30Hz); MP4 (MPEG2/4, H.263, H.264, HEVC/H.265, max res 3840x2160@60Hz); TS (MPEG2, H.264, HEVC/H.265, max res 3840x2160@60Hz); audio: LPCM, MP3, AAC; WMV (video H.264, Windows Media Video 9, max res 1080p@30Hz, audio WMA 9, WMA 10 Pro) |
| Supported Audio Formats | MP3 (MP3); max. bit-rate 320 kBit/s |

Available Options

| | |
|-------------|---|
| Accessories | Feet (ST-43M); MPI4 NEC MediaPlayer Kit; Presence Sensor (KT-RC3); Soundbar (active: SP-ASCM-IQ2 / SP-ASCM-2); Speaker (SP-RM3a); Trolley (PD04-Tipster Trolley); Wall mount (PDW S 32-65 L, PDW S 32-65 P) |
|-------------|---|

Green Features

| | |
|----------------------|--|
| Energy Efficiency | Energy consumption: 90 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 |
| 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 |
| 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 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 |
| Resistance to Fire | Metal backcover, plastic material certified acc. to UL94-5VB |

¹ out of the box conditions, local dimming ON

² please refer to terms and conditions of warranty extensions



RCM



FCC Class B



RoHS



VCCI



CE

This document is © 2022 Sharp NEC Display Solutions Europe GmbH.

All rights reserved in favour of their respective owners. All hardware and software names are brand names and/or registered trademarks of the respective manufacturers. All specifications are subject to change without notice. Errors and omissions are excepted. 05.05.2022