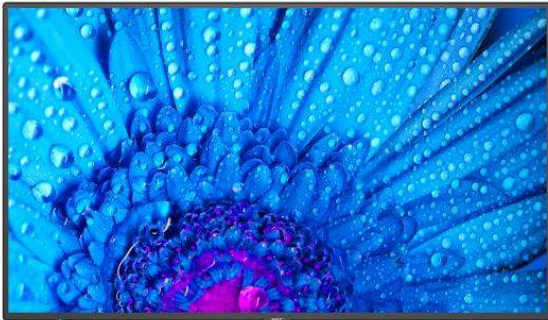


## MultiSync® M491 LCD 49" Message Large Format Display

### Datasheet



#### Intuitive professional content delivery

Great first impressions can make all the difference; presenting your business in the best possible way will boost your brand. With slim, modern styling, 24/7 operation and high haze panel to reduce reflections when ambient light is high, the M series is the professional way to deliver your message, yet at an attractive price point.

With the optional NEC MediaPlayer or the more powerful Intel® Smart Display Module (Intel® SDM) computing device, you are primed and ready for intuitive signage creation delivering real-time media playback for exceptional visual experiences. For advertising, infotainment and meeting room applications, the M Series provides powerful, upgradable functionality and all the aesthetic appeal to effortlessly reflect your brand credentials.

### 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  | MultiSync® M491                      |
| Product Group | LCD 49" Message Large Format Display |
| Order Code    | 60005051                             |

## 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 <sup>1</sup>                                       |
| Viewing Angle [°]         | 178 horizontal / 178 vertical (typ. at contrast ratio 10:1) |
| 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 | 4096 x 2160;<br>3840 x 2160;<br>1920 x 2160;<br>1920 x 1080; | 1900 x 1200;<br>1650 x 1050;<br>1600 x 1200;<br>1440 x 900; | 1400 x 1050;<br>1366 x 768;<br>1360 x 768;<br>1280 x 1024; | 1280 x 720;<br>1024 x 768 |

## 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 |
| 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 | RPi4 Compute Module                                             |

## 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] | Box 1: 1,298 x 860 x 224                       |
| Packaging Weight [kg]                 | Box 1: 28.7                                    |
| Colour Bezel                          | Pantone 426M (black)                           |

## Available Options

|             |                                                                                                         |
|-------------|---------------------------------------------------------------------------------------------------------|
| Accessories | Feet (ST-401/ST-43M); Soundbar; Trolley (PDMHM-L); Wall mount (PDW C L and P, PD02W T M L, PD03W T M P) |
|-------------|---------------------------------------------------------------------------------------------------------|

## Green Features

|                      |                                                                                                                    |
|----------------------|--------------------------------------------------------------------------------------------------------------------|
| Energy Efficiency    | Annual energy consumption: 131 kWh (based on 4 operating hours per day); Energy efficiency class: G; LED backlight |
| Ecological Standards | EnergyStar 8.0                                                                                                     |

## Additional Features

|                         |                                                                                                    |
|-------------------------|----------------------------------------------------------------------------------------------------|
| Special Characteristics | DICOM Simulation                                                                                   |
| Safety and Ergonomics   | Energy Star 8.0                                                                                    |
| Pixel Failure Class     | ISO 9241-307, Class 1                                                                              |
| Audio                   | Integrated Speakers (10 W + 10 W)                                                                  |
| Shipping Content        | Display; HDMI Cable; Power Cable; Remote Control; User Manual                                      |
| Warranty                | 3 years warranty incl. backlight; additional services available                                    |
| Operating Hours         | 24/7                                                                                               |
| External Control        | AMX NetLinx Support; ASCII Control Commands; 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                               |

<sup>1</sup> out of the box conditions, local dimming ON

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