

LCD 43" Message Large Format Display

# NEC MultiSync® M431



## 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.

# Specifications

## Product Information

### Product Name

NEC MultiSync® M431

### Product Group

LCD 43" Message Large Format Display

### Order Code

60005047

## Display

### Panel Technology

IPS with Edge LED backlights

### Screen Size [inch/cm]

43 / 108

### Aspect Ratio

16:9

### Brightness [cd/m<sup>2</sup>]

500

### Contrast Ratio

≥ 8000:1<sup>1</sup>

### 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

Face Up<sup>2</sup>; Landscape; Portrait

## Resolution

### Native Resolution

3840 x 2160

## Supported Resolutions

1024 x 768;	1400 x 1050;	1920 x 1200;
1280 x 1024;	1440 x 900;	1920 x 2160;
1280 x 720;	1600 x 1200;	3840 x 2160;
1360 x 768;	1650 x 1050;	4096 x 2160
1366 x 768;	1920 x 1080;	

## Synchronisation Rate

### Horizontal Frequency [kHz]

15 - 136

### Vertical Frequency [Hz]

23 - 86

## 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 45 W; compatible with Intel Celeron CPUs or CPUs with lower power consumption

### Compute Module Slot

RPi Compute Module 4

## Sensors

### Ambient Light Sensor

Integrated, triggered actions programmable

### Temperature Sensor

Integrated, 3 sensors, triggered actions programmable

## Electrical

### Power Consumption [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]

968.2 x 561 x 67.1

### Weight [kg]

17.8

### Bezel Width [mm]

11 (left/right/top); 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]

1,120 x 700 x 203

### Packaging Weight [kg]

23

### 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); 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)

## 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: 68 kWh/1000 h; Energy efficiency class: G; LED backlight

### Ecological Standards

EnergyStar 8.0

## 3rd Party Certifications

### Crestron

Certified for Crestron Connected

## Additional Features

### Special Characteristics

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

### 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<sup>3</sup>

### Operating Hours

24/7

### External Control

AMX NetLinx Support; ASCII Control Commands; Crestron Connected; HDMI CEC; HTTP Browser; PLink; Scheduled Timer; SNMP

### Remote Management

Automated Email Alerts; NaViSet Administrator 2

### Security

Disable HW Buttons; Disable IR Functionality; Emergency Notification

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

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

<sup>3</sup> please refer to terms and conditions of warranty extensions



RoHS



FCC Class B



RCM



CE



VCCI

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