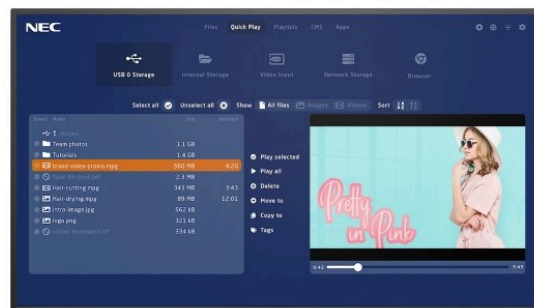


LCD 43" Message Essential Large Format Display

NEC MultiSync® ME431-MPi4



Digital Signage and real-time information deployed easily

Initiating effective communication to your target audience has never been easier to plan, install and operate. Deploying Signage with consistently updated information, real-time content adaption and scheduling has never been so simple.

The MultiSync® ME-MPi4 displays offer out-of-the-box playback for local retailers, restaurants and small business enterprises. With the NEC MediaPlayer you can deliver dynamic advertising and infotainment to your customers whilst benefiting from the efficiencies gleaned through digitisation.

Future-proof and upgradable, the NEC MediaPlayer software is powered by a pre-installed modular SoC Raspberry Pi module. Enabling remote operation of single and multiple display installations, benefit from flexible usage of many media types and a scheduling function for smart content management. For specific feature demands, the NEC MediaPlayer grants easy switching to the integrated Content Management Systems directly.

Benefits

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

Intuitive Plug & Play solution – even when not familiar with using digital signage, users can facilitate stunning signage creation for immersive real-time visual experiences

Install third party software – expand the NEC MediaPlayer functionality via additional Apps or even switch to your preferred Content Management Systems (CMS) directly from of the NEC MediaPlayer

Everything under control – one single interface is needed to manage both the NEC MediaPlayer and the display directly, via a web-interface or the NEC Display remote control.

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

Specifications

Product Information

Product Name

NEC MultiSync® ME431-MPi4

Product Group

LCD 43" Message Essential Large Format Display

Order Code

60005372

Display

Panel Technology

IPS with Direct LED backlights

Screen Size [inch/cm]

43 / 108

Aspect Ratio

16:9

Brightness [cd/m²]

400

Contrast Ratio

≥ 8000:1 ¹

Viewing Angle [°]

178 horizontal / 178 vertical (typ. at contrast ratio 10:1)

Colour Depth [bn]

1.073 (8bit + FRC)

Response Time (typ.) [ms]

8

Panel Refresh Rate [Hz]

60

Haze Level [%]

Standard (1)

Supported Orientation

Landscape; Portrait

Resolution

Native Resolution

3840 x 2160

Supported Resolutions

1024 x 768;	1440 x 900;	2560 x 1440;
1280 x 1024;	1600 x 1200;	2560 x 1600;
1280 x 720;	1650 x 1050;	3840 x 2160;
1360 x 768;	1920 x 1080;	4096 x 2160
1366 x 768;	1920 x 1200;	
1400 x 1050;	1920 x 2160;	

Synchronisation Rate

Horizontal Frequency [kHz]

26 - 135

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

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]

973 x 561.2 x 62.6

Weight [kg]

13.9

Bezel Width [mm]

13.9 (symmetrical)

VESA Mounting [mm]

200 x 200 (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]

19.6

Colour Bezel

Pantone 426M (black)

Material

Metal

MediaPlayer

Supported File Storage / File System

USB 2.0 / FAT16, FAT32

Internal Storage

32GB eMMC (2GB occupied by OS, 28GB available for files)

Processor

Cortex-A72 (ARMv8) 64-bit SoC @ 1.5GHz

Supported Image Formats

JPG / JPEG; PNG

Supported Video Formats

MP4 / MOV / AVI / MPEG / WMV / MPG / M4V / VOB / MKV (H.265);
MPEG-2; M4K; VP8 / VP9; HTML5

Supported Audio Formats

MP3; AAC; AC-3

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: 77 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 Speakers (10 W + 10 W)

Shipping Content

2x AAA batteries; Display; HDMI Cable; Power Cable; Pre-installed MPi4 MediaPlayer Kit; Remote Control; Setup Manual

Warranty

3 years warranty incl. backlight; additional services available; optional 4. + 5. year warranty extension ²

Operating Hours

18/7

External Control

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

Remote Management

Automated Email Alerts; 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



VCCI



CE



RCM



FCC Class B



RoHS

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