Product Information Sheet

ME431 - Message Essential Large Format Display

Your pathway to signage digitisation

Offering a professional feature set and NEC's renowned high reliability, yet at a very attractive price point, the NEC ME series presents the perfect opportunity to digitise your signage. Only commercial-grade displays are capable of delivering reliable, longlife performance and the ME Series presents lower budget business operators the upgrade path to professional digital signage without requiring specialist expertise.

Primed with an integrated USB MediaPlayer, the ME series offers out-of-the-box playback which can be easily upgraded thanks to NEC's modular approach. Enjoy all the flexibility you need to create, schedule and broadcast expert signage content, meaning your messaging is always fresh and up to date. Capable of landscape or portrait orientation and up to 18/7 hours continuous operation, local retailers, restaurants and small business enterprises can deliver dynamic advertising and infotainment to their customers whilst benefiting from the efficiencies gleaned through digitisatition.

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

Ease of use and operation – smart installation, operation and maintenance functionality ensures accurate performance over the entire lifetime of the display saving time, effort and resources.

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

Effortless content playback – the integrated USB media player supports various image video file formats for effortless and standalone content playback.

Product Information

Product Name	MultiSync® ME431
Product Group	LCD 43" Message Essential Large Format Display
Order Code	ME431

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)
Response Time (typ.) [ms]	8
Panel Refresh Rate [Hz]	60
Haze Level [%]	Standard (1)
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;	1920 x 1080;	1400 x 1050;	1280 x 720;
	3840 x 2160;	1650 x 1050;	1366 x 768;	1024 x 768
	1920 x 2160;	1600 x 1200;	1360 x 768;	
	1920 x 1200;	1440 x 900;	1280 x 1024;	

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 3.5mm jack
Input Detect	Custom; First; Last

Open Modular Intelligence

Intel® SDM	accepts Intel® Smart Display Modules Large and Small up to 45 W
Compute Module Slot	RPi4 Compute Module

Sensors

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]	973 x 561.2 x 62.6
Weight [kg]	13.9
Bezel Width [mm]	13.9
VESA Mounting [mm]	200 x 200 (FDMI); 4 holes; M6
Ingress Protection	IP5x (front); IP2x (back)
Packaging Dimensions (W x H x D) [mm]	Box 1: 1,120 x 700 x 203
Packaging Weight [kg]	Box 1: 19.6
Colour Bezel	Pantone 426M (black)

Available Options

Accessories	Feet (ST-43M);

Green Features

Energy Efficiency	Annual energy consumption: 113 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 ; RCM
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
Operating Hours	18/7
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

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

For more information:

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