

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 digitisation.

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/m ²]	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:

 nec.com.au

 contactus@nec.com.au

 131 632

Corporate Headquarters (Japan)
NEC Corporation
www.nec.com

Australia
NEC Australia Pty Ltd
www.nec.com.au

North America (USA)
NEC Corporation of America
www.necam.com

Asia Pacific (AP)
NEC Asia Pacific
www.sg.nec.com

Europe (EMEA)
NEC Enterprise Solutions
www.nec-enterprise.com

v.21.02.01 | ME431

NEC Australia Pty Ltd reserves the right to change product specifications, functions, or features, at any time, without notice. Please refer to your local NEC representatives for further details. Although all efforts have been made to ensure that the contents are correct, NEC shall not be liable for any direct, indirect, consequential or incidental damages resulting from the use of the equipment, manual or any related materials. The information contained herein is the property of NEC Australia Pty Ltd and shall not be reproduced without prior written approval from NEC Australia Pty Ltd.

©2021 NEC Australia Pty Ltd. All rights reserved. NEC and NEC logo are trademarks or registered trademarks of NEC Corporation that may be registered in Japan and other jurisdictions. All other trademarks are the property of their respective owners. All rights reserved. Printed in Australia. Note: This disclaimer also applies to all related documents previously published.

