

LCD 43" PCAP Touch Display

NEC MultiSync® M431 PCAP



Superior touch performance for demanding environments

Great first impressions can make all the difference; presenting your business in the best possible way will boost your brand. With a modern, bezel-free styling, 24/7 operation and reduced reflections when ambient light is high, the NEC MultiSync® M series PCAP touch engages audiences and facilitates collaboration.

With the powerful Intel® Smart Display Module (Intel® SDM) computing device, you are primed and ready to provide an exceptional interactive experience to your customers. Perfectly suited to the rigors of public usage, the robust glass surface is resistant to scratches whilst its anti-glare property makes the M series PCAP touch models suitable for use even in areas of high ambient light.

Benefits

Modern and easy to clean design – edge-to-edge allowing for unobtrusive integration into any application and environment.

Exceptional touch performance – with up to 20 touch points the PCAP technology offers excellent touch responsiveness for both finger and pen usage

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.

Secure remote management – control your devices remotely and securely using NEC NaviSet Administrator 2; proactively manage maintenance requirements saving time and resources

Specifications

Product Information

Product Name

NEC MultiSync® M431 PCAP

Product Group

LCD 43" PCAP Touch Display

Order Code

60005076

Display

Panel Technology

IPS with Edge LED backlights

Screen Size [inch/cm]

43 / 108

Aspect Ratio

16:9

Brightness (without glass) [cd/m²]

500

Contrast Ratio (default)

> 8000:1

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

Supported Orientation

Face Up ¹; Landscape; Portrait

Touch

Touch Technology

PCAP

Number of Touches

Real multi-touch up to 20 touches

Touch Method

Conductive Passive Stylus; Finger

Supported Operating System

Android; Linux; Raspberry Pi; Windows

Data Interface

USB-HID

Accuracy [mm]

+/- 1.5

Windows Ink

no

Palm Rejection

no

Glass

Thickness [mm]

3.6

Light Transmission [%]

85 (+/- 5 %)

Haze Level [%]

5 ~ 10

Hardness [H]

6

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 - 91.1

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

PiP/PbP

Quad-Split; scalable picture size; Triple-Split

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

Environmental Conditions

Operating Temperature [°C]

+0 to +35

Operating Humidity [%]

20 to 80

Storage Humidity [%]

10 to 90

Storage Temperature [°C]

-20 to 60

Mechanical

Dimensions (W x H x D) [mm]

1,003.4 x 595.1 x 74.42

Weight [kg]

24.8

Bezel Width [mm]

Edge-to-edge flush design (no bezel)

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: 1,120 x 700 x 203

Packaging Weight [kg]

Box 1: 30

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

Presence Sensor (KT-RC3); Soundbar (SP-ASCM-IQ2, SP-ASCM-2, SP-AS2); Speaker (SP-RM3a); Trolley (PD04 Tipster Trolley); Wall mount (PDW S 32-55 L, PDW S 32-55 P)

Regulatory

Safety and Ergonomics

CE; EAC; RoHS

Pixel Failure Class

ISO 9241-307, Class 1

Green Features

Energy Efficiency

Energy consumption: 68 kWh/1000 h; LED backlight

Ecological Standards

EnergyStar 8.0

3rd Party Certifications

Barco ClickShare

Tested compatible for Barco ClickShare (Conference)

Crestron

Certified for Crestron Connected

Additional Features

Special Characteristics

DICOM Simulation; HDMI ARC; NaViSet Administrator 2 - free download; Powered USB Port (10 W)

Audio

Integrated Speakers (10 W + 10 W)

Shipping Content

2x AAA batteries; Display; HDMI Cable; Power Cable; Remote Control; Setup Manual; USB cable

Warranty

3 years warranty incl. backlight; additional services available

Operating Hours

24/7

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



CE



RoHS

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