LCD 49" PCAP Touch Display

NEC MultiSync® M491 PCAP

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® M491 PCAP

Product Group
LCD 49" PCAP Touch Display

Order Code
60005080

Display

Panel Technology
IPS with Edge LED backlights

Screen Size [inch/cm]
49 / 123.2

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

Protective Glass

Thickness [mm]
4.45

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;	1900 x 1200;	4096 x 2160
1366 x 768;	1920 x 1080;	
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 66 W

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 +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]
1,139.9 x 669.9 x 65.08

Weight [kg]
30.3

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: 1,298 x 860 x 224

Packaging Weight [kg]
Box 1: 37.5

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); Speaker (SP-RM3a); Trolley (PD04 Tipster Trolley); Wall mount (PDW S 32-55 L, PDW S 32-65 P)

Regulatory

Safety and Ergonomics
CE; EAC; RoHS

Pixel Failure Class
ISO 9241-307, Class 1

Green Features

Energy Efficiency
Energy Consumption: 90 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

This document is © 2026 Sharp Display Solutions Europe GmbH.

All rights reserved in favour of their respective owners. All hardware and software names are brand names and/or registered trademarks of the respective manufacturers. All specifications are subject to change without notice. Errors and omissions are excepted. 14.11.2026