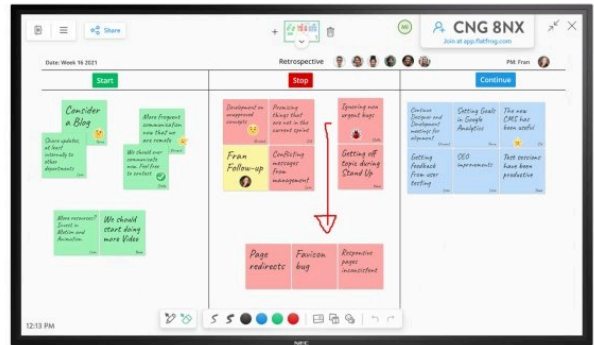
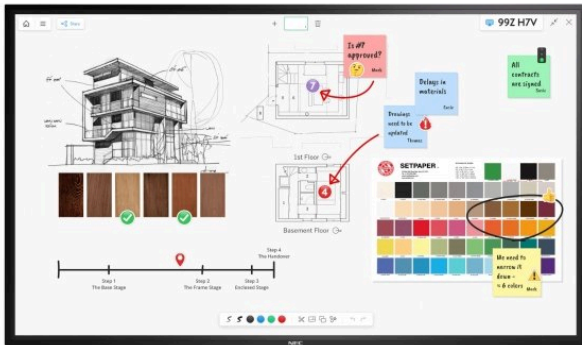


NEC MultiSync® M861 IGB  
LCD 86" InGlass™ Touch Display

## Datasheet



### Enjoy the most natural interactive digital experience

Modern meeting spaces drive the demand for advanced touch technology with innovative design. To support interactive sessions, the NEC InGlass™ Touch Board along with the responsive passive pen brings superior paper-like writing with minimal latency to a digital canvas. With its slim bezel design, the technology seamlessly integrates into modern interior styling.

High brightness levels ensure excellent readability and image reproduction even in today's typically bright meeting spaces where maintaining a motivational environment is paramount. The anti-glare coating minimizes disturbing reflections and helps to eliminate niggling fingerprints on the touch surface.

## Benefits

**Best-in-class visual performance** – benefit from a „pixel-free“ Ultra-High Definition (UHD) visual performance.

**Natural writing experience** – it's like working on paper! Whether using finger or pen, the InGlass™ touch technology provides seamless interactive touch performance including Windows Ink and palm rejection.

**Featuring NEC Open Modular Intelligence (OMI) slot-in technology** – choose scalable computing power with Raspberry Pi Compute Module 4 or the more powerful Intel® Smart Display Modules (Intel®SDM) for tailor-made solutions.

**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.

**Be more productive** – get a one-year free license of FlatFrog Board for Rooms! FlatFrog Board whiteboard software makes hybrid work easy and equally productive for everyone.

## Product Information

Product Name	NEC MultiSync® M861 IGB
Product Group	LCD 86" InGlass™ Touch Display
Order Code	60005949

## Display

Panel Technology	IPS with Direct LED backlights
Screen Size [inch/cm]	86 / 217.4
Aspect Ratio	16:9
Brightness (without glass) [cd/m²]	500
Contrast Ratio	≥ 8000:1 <sup>1</sup>
Viewing Angle [°]	178 horizontal / 178 vertical (typ. at contrast ratio 10:1)
Colour Depth [bn]	1.073 (10bit)
Colour Gamut	68% of DCI
Response Time (typ.) [ms]	8
Panel Refresh Rate [Hz]	60
Haze Level [%]	Pro (28)
Supported Orientation	Face Up <sup>2</sup> ; Landscape; Portrait

## Touch

Touch Technology	InGlass™
Number of Touches	Real multi-touch up to 20 touches
Response Time [ms]	≤ 15
Touch Method	Finger; Gloves; Stylus (≥ 2 mm)
Supported Operating System	Native Multi-Touch: Windows 7, Windows 8, Windows 10, Linux, Android; Default Mouse: Windows XP, Windows Vista, Mac OS X
Data Interface	USB-HID
Accuracy [mm]	< 1
Windows Ink	yes
Palm Rejection	yes

## Glass

Type	Premium toughened glass, anti-glare coating
Thickness [mm]	3
Hardness [H]	7

## Resolution

Native Resolution	3840 x 2160			
Supported Resolutions	1024 x 768; 1280 x 1024; 1280 x 720; 1360 x 768;	1366 x 768; 1400 x 1050; 1440 x 900; 1600 x 1200;	1920 x 1080; 1920 x 1200; 1920 x 2160; 2560 x 1440;	2560 x 1600; 3840 x 2160; 4096 x 2160; 7680 x 4320

## Synchronisation Rate

Horizontal Frequency [kHz]	15 - 135
Vertical Frequency [Hz]	23 - 76

## Connectivity

Input Video Digital	2 x DisplayPort (with HDCP); 2 x HDMI (with HDCP)
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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 (Downstream); 1 x USB 2.0 (Powered 5V/2A, Firmware Updates); 1 x USB 2.0 Type-B (Downstream)
Output Video Digital	1 x DisplayPort (loop through: DisplayPort, SDM slot-in PC); 1 x HDMI (loop through: HDMI, SDM slot-in PC)
Output Audio Analogue	1 x 3,5 mm jack
Output Control	1 x LAN 100Mbit
Input Detect	Custom; First; Last
PIP/PbP	Dual-Split; Quad-Split; scalable picture size

## Calibration

Factory Calibration	Gamma; Intensity; RGB; Uniformity; White Point
Sensor Calibration (through USB)	PC-less Calibration with USB Sensor MDSV Sensor3; White Copy (post self-calibration)
Calibration with Software	Corner Uniformity; Gamma; Intensity; RGB; Update Factory Calibration; White Point
Calibration Software	NEC Display Wall Calibrator

## 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
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## Electrical

Power Consumption [W]	320 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 80
Storage Temperature [°C]	-20 to 60

## Mechanical

Dimensions (W x H x D) [mm]	1,972 x 1,142 x 91.5
Weight [kg]	76
Bezel Width [mm]	22.5
VESA Mounting [mm]	4 holes; 600 x 400 (FDMI); M8
Ingress Protection	IP5x (front); IP2x (back)
Packaging Dimensions (W x H x D) [mm]	2,090 x 1,225 x 225
Packaging Weight [kg]	94.1
Material	Metal

## Pre-installed Applications

Free Software Included

FlatFrog Board for Rooms (1 year) - free download

## Available Options

Accessories	Speaker (SP-RM3); Trolley (L20PNSR780MEU, PD02MHA, PD03MHA); Wall mount (L20PNWALL90EU)
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## Green Features

Energy Efficiency	Energy consumption: 193 kWh/1000 h; LED backlight
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Ecological Standards	EnergyStar 8.0
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## Additional Features

Special Characteristics	DICOM Simulation; HDMI ARC; Powered USB Port (10 W)
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Safety and Ergonomics	CE; EMC Class B; Energy Star 8; RoHS
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Pixel Failure Class	ISO 9241-307, Class 1
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Audio	Integrated Audio Amplifier (for optional speakers up to 2 x 15 W); Integrated Speakers (10 W + 10 W)
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Shipping Content	2 x Passive Stylus; 2x AAA batteries; Display; HDMI Cable; Power Cable; Remote Control; Setup Manual; USB cable
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Warranty	3 years warranty incl. backlight; additional services available; optional 4. + 5. year warranty extension <sup>3</sup>
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Operating Hours	24/7
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External Control	AMX NetLinx Support; ASCII Control Commands; Crestron Connected; HDMI CEC; HTTP Browser; PJLink; Scheduled Timer; SNMP
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Remote Management	Automated Email Alerts; NEC NaViSet Administrator 2
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Security	Disable HW Buttons; Disable IR Functionality; Emergency Notification
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<sup>1</sup> out of the box conditions, local dimming ON

<sup>2</sup> adjusted usage conditions for face up/down installations, please refer to operational guidelines or contact our support

<sup>3</sup> please refer to terms and conditions of warranty extensions



CE



RoHS

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