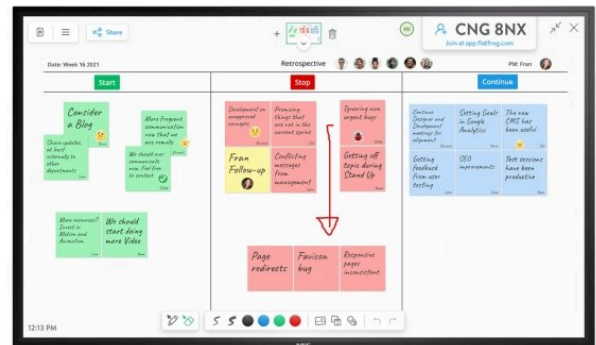


NEC MultiSync® M551 IGB  
LCD 55" InGlass™ Touch Display

## 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.

**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.

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

**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.

## Product Information

|               |                                |
|---------------|--------------------------------|
| Product Name  | NEC MultiSync® M551 IGB        |
| Product Group | LCD 55" InGlass™ Touch Display |
| Order Code    | 60005425                       |

## Display

|                                    |   |
|------------------------------------|---|
| Panel Technology                   | IPS with Edge LED backlights                                |
| Screen Size [inch/cm]              | 55 / 138.8  |
| 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  |
| Haze Level [%]                     | Pro (28)  |
| Supported Orientation              | Face Up <sup>1</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; Raspberry Pi |
| 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;<br>1280 x 1024;<br>1280 x 720;<br>1360 x 768; | 1366 x 768;<br>1400 x 1050;<br>1440 x 900;<br>1600 x 1200; | 1650 x 1050;<br>1900 x 1200;<br>1920 x 1080;<br>1920 x 2160; | 2560 x 1440;<br>2560 x 1600;<br>3840 x 2160;<br>4096 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 66 W |
| Compute Module Slot | RPi Compute Module 4  |

## Sensors

|                    |   |
|--------------------|---|
| Temperature Sensor | Integrated, 3 sensors, triggered actions programmable |
|--------------------|---|

## Electrical

|                        |                                  |
|------------------------|----------------------------------|
| Power Consumption [W]  | 110 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]           | 1,284.5 x 757.3 x 70.9                       |
| Weight [kg]                           | 38.5   |
| Bezel Width [mm]                      | 18.4 (left and right); 18.4 (top and bottom) |
| 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: 1,430 x 920 x 250                     |
| Packaging Weight [kg]                 | Box 1: 47                                    |

## 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   |

## Pre-installed Applications

|                        |   |
|------------------------|---|
| Free Software Included | FlatFrog Board for Rooms (1 year) - free download |
|------------------------|---|

## Available Options

Accessories Presence Sensor (KT-RC3); Soundbar (SP-ASCM-IQ2; SP-ASCM-2); Speaker (SP-RM3a); Wall mount (L20PNWALL90EU)

## Green Features

|                      |   |
|----------------------|---|
| Energy Efficiency    | Energy consumption: 100 kWh/1000 h; LED backlight |
| Ecological Standards | EnergyStar 8.0                                    |

## Additional Features

|                         |  |
|-------------------------|--|
| Special Characteristics | DICOM Simulation; HDMI ARC; Powered USB Port (10 W)  |
| Safety and Ergonomics   | CE; EAC; RoHS  |
| Pixel Failure Class     | ISO 9241-307, Class 1  |
| Audio                   | Integrated Speakers (10 W + 10 W)  |
| Shipping Content        | 2 x Stylus; 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; NEC NaViSet Administrator 2  |
| Security                | Disable HW Buttons; Disable IR Functionality; Emergency Notification   |

<sup>1</sup> adjusted usage conditions for face up/down installations, please refer to operational guidelines or contact our support



CE



RoHS

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