

User's Manual

M Series InGlass™ Touch

MultiSync® M551 IGB

MultiSync® M651 IGB

Addendum to User's Manuals of M551 & M651

MONITOR MODEL: M551 IGB, M651 IGB,
Please find your model name on the label on rear side of the monitor.

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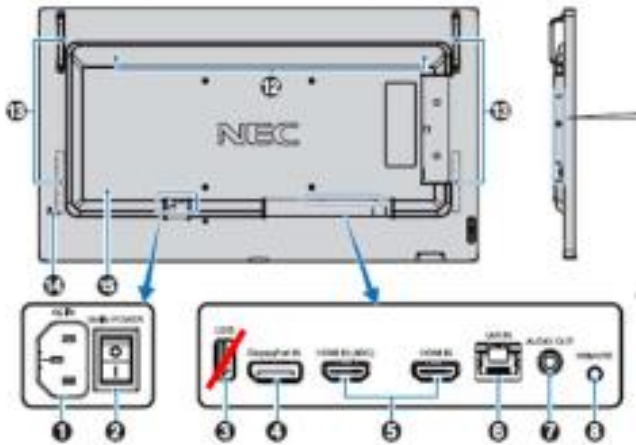
Addendum to User's Manuals of MultiSync M551 & M651

This user's manual is an addendum to the standard user's manual of the base model monitors M551 and M651.

All specifications listed here supersede those in the standard version of the manual included with this monitor.

NOTE: Following feature sets are not supported by the Mxx1 IGB models:

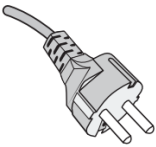
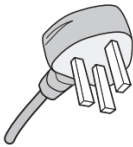
- **Table Top Stand Option:** Other than the standard monitor, the M651 IGB model does not allow for table top installations; For the M551 IGB the ST-43M table stand can be used.
- **Room Light Sensing Sensor:** Other than the standard monitor, the Mxx1 IGB models do not allow the monitor to make automatic adjustments to the backlight setting.
- **NEC ornament logo:** Other than the standard monitor, the does not have an ornament logo. Therefore changing the position of the NEC logo is not possible.
- **USB (3) port:** USB power supply cannot be used (5V – 2A) on the Mxx1 IGB models.



You can use USB Memory for internal Media Player. SDM and Compute Module's USB have no limitation.

Important Information

Power Cord Table

Plug Type	European Continental	U.K.
Plug Shape		
Region	EU	U.K.
Voltage	230	230

NOTE: This product can only be serviced in the country where it was purchased.

Connecting to a TV*1

- Cable distribution system should be grounded (earthed) in accordance with ANSI/NFPA 70, the National Electrical Code (NEC), in particular Section 820.93, Grounding of Outer Conductive Shield of a Coaxial Cable.
- The screen of the coaxial cable is intended to be connected to earth in the building installation.

*1: The product you purchased may not have this feature.



Recommended Use & Maintenance

Recommended Use

Ergonomics

To realize the maximum ergonomic benefits, we recommend the following:

- For optimum performance of the monitor, allow 20 minutes for warming up. Avoid reproduction of still patterns on the monitor for long periods of time to avoid image persistence (after image effects).
- Rest your eyes periodically by focusing on an object at least 5 feet away. Blink often.
- Position the monitor at a 90° angle to windows and other light sources to minimize glare and reflections.
- Adjust the monitor's brightness, contrast and sharpness controls to enhance readability.
- Get regular eye checkups.
- Use the preset Size and Position controls with standard input signals.
- Use the preset color settings.
- Use non-interlaced signals.
- Do not view the primary color blue on a dark background. It is difficult to see and may cause eye fatigue due to insufficient contrast.

Maintenance

Cleaning the LCD Screen

- When the LCD screen is dusty, please gently wipe with a soft cloth.
- Clean the LCD screen surface with a lint-free, non-abrasive cloth. Avoid using any cleaning solution or glass cleaner!
- Please do not rub the LCD screen with a hard or abrasive material.
- Please do not apply pressure to the LCD screen surface.
- Please do not use OA cleaner as it will cause deterioration or discoloration on the LCD screen surface.

Cleaning the Cabinet

- Unplug the power supply.
- Gently wipe the cabinet with a soft cloth.
- To clean the cabinet, dampen the cloth with a neutral detergent and water, wipe the cabinet and follow with a dry cloth.

NOTE: DO NOT clean with benzene thinner, alkaline detergent, alcoholic system detergent, glass cleaner, wax, polish cleaner, soap powder, or insecticide. Rubber or vinyl should not be in contact with the cabinet for an extended period of time. These types of fluids and materials can cause the paint to deteriorate, crack or peel.

For further instruction, please refer to our cleaning document:

[PDF-NECCleaningInstructions_de.pdf \(sharpnecdisplays.eu\)](https://sharpnecdisplays.eu/NECCleaningInstructions_de.pdf)

Shipping Content

MultiSync® M551 IGB

1. 55" FlatFrog InGlass™ Touch Display – M551 IGB
2. 2x Passive Magnetic Pen
3. Remote Control
4. User Guides / Manuals
5. Addendum to User's Manuals
6. Power Cable
7. DisplayPort Cable
8. USB Cable 300 cm

MultiSync® M651 IGB

1. 65" FlatFrog InGlass™ Touch Display – M651 IGB
2. 2x Passive Magnetic Pen
3. Remote Control
4. User Guides / Manuals
5. Addendum to User's Manuals
6. Power Cable
7. DisplayPort Cable
8. USB Cable 300 cm

Unpacking

Unpacking the Display

Unpack the display (M551 IGB / M651 IGB) from the carton box by removing the white clips on the bottom of the box.

NOTE: Due to the weight of the product, for installation and handling 2 people are required. DO NOT start unless you have enough people available. Working with less people may result in injuries and damaged product.

Lift the carton box upwards. Make sure to have one additional person to secure the display from tipping over.

NOTE: Remember to save your original box and packing material to transport or ship the monitor.

For further instructions, please refer to the printed instruction on the carton box.



General Installation

This device cannot be used or installed without a mounting accessory for support. For proper installation it is strongly recommended to use a trained, Sharp NEC authorized service person. Failure to follow Sharp NEC standard mounting procedures could result in damage to the equipment or injury to the user or installer. Product warranty does not cover damage caused by improper installation. Failure to follow these recommendations could result in voiding the warranty.

Mounting

For customer:

CAUTION

DO NOT mount the monitor yourself. For proper installation it is strongly recommended to use a trained, qualified technician. Please contact your supplier, as they may be able to provide a list of qualified installation professionals. Mounting on a wall or ceiling and hiring a technician is the customer's responsibility.

Maintenance

- Periodically check for loose screws, gaps, distortions, or other problems that may occur with the mounting equipment. If a problem is detected, please refer to qualified personnel for service.
- Regularly check the mounting location for signs of damage or weakness that may occur over time.

DO NOT block ventilated openings with mounting accessories or other accessories.

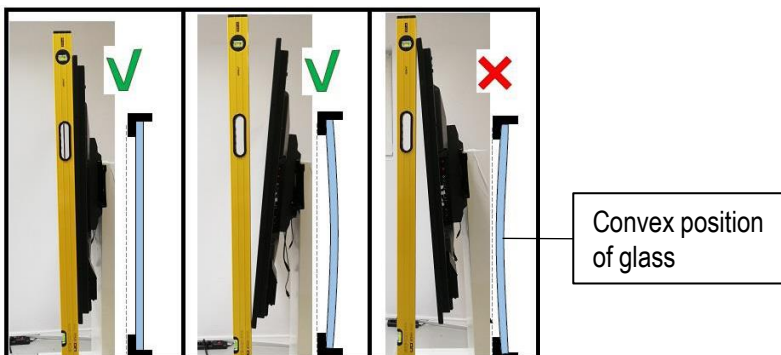
For Sharp NEC Qualified Personnel:

Stability Hazard.

The device may fall, causing serious personal injury or death. To prevent injury, this device must be securely attached to the floor/wall in accordance with the installation instructions. Carefully inspect the location where the unit is to be mounted. Not all walls or ceilings are capable of supporting the weight of the unit. Weight of this monitor is mentioned in Specification (see M551 IGB on page 17, M651 IGB on page 20). Product warranty does not cover damage caused by improper installation, remodeling, or natural disasters. Failure to comply with these recommendations could result in voiding the warranty.

To ensure safe installation, use two or more brackets to mount the unit. Mount the unit to at least two points on the installation location.

NOTE: To achieve optimum performance of touch technology, monitor must be correctly leveled. Only straight upright and titled back position of the monitor is acceptable. Monitor tilted to front will result in convex position of the glass and might negatively influence the touch performance.



For further instructions, please refer to standard user's manual of the base model monitors M551 and M651.

Connections

NOTE: Do not connect or disconnect cables when turning on the monitor's main power or other external equipment's power as this may result in a loss of image.

NOTE: Do not use an attenuating (built-in resistor) audio cable. Use an audio cable without a built-in resistor. Using an audio cable with a built-in resistor will lower the sound level.

Before making connections:

- Turn off the device's power before connecting it to the monitor.
- Refer to the device's user manual for available connection types and instructions for the device.

For further instructions on connections, please refer to standard user's manual of the base model monitors M551, M651.

For using Touch Panel

1. Turn off the monitor.

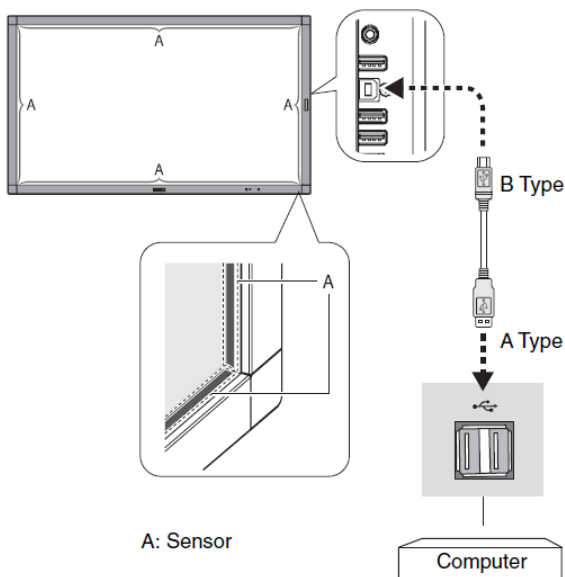
2. Install the equipment.*1

- **Using slot-in PC (SDM):** Connect the B type connector to the USB upstream port on the left back side of the monitor marked with "TOUCH" and the A type connector to the downstream port on the SDM slot-in PC.

NOTE: Please refer to the SDM slot PC's manual for connection.

NOTE: When you set option board accessory other than SDM slot-in PC, touch function may not work.

- **Using external computer:** Connect the B type connector to the USB upstream port on the left back side of the monitor marked with "TOUCH" and the A type connector to the downstream port on the external computer.



3. Turn on the monitor.

*1: Please contact your Sharp NEC customer support for more detailed information. Please contact your Sharp NEC customer support for the setting of the touch panel function in multiple screens.

Connections

Monitor Setting

Select the input signal.

- Using SDM slot-PC: Select [OPTION]
- Using external computer: Select the input signal which is supplied by the computer connected to USB-connector.

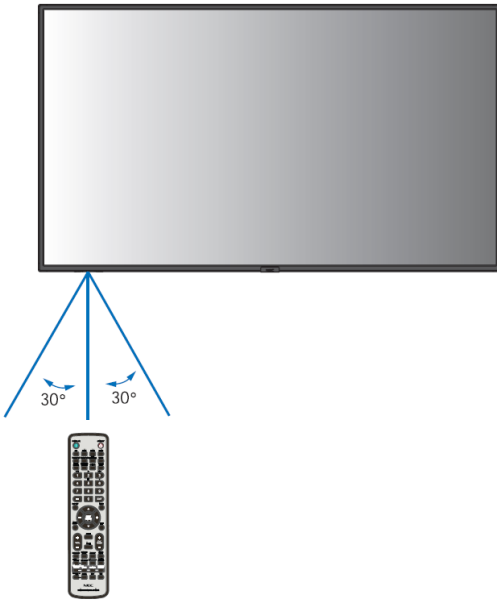
NOTE: Please refer to “The touch panel does not respond” in “Troubleshooting” when the touch panel function does not work.

Basic Operation

Operating range for the Remote Control

- Point the top of the remote control toward the monitor's remote control sensor during button operation.
- Use the remote control within a distance of about 3.5 m from the remote control sensor, or at a horizontal and vertical angle of within 30° and within a distance of about 3.5 m.

NOTE: The remote control system may not function when direct sunlight or strong illumination strikes the remote control sensor, or when there is an object in the path.



Handling the remote control

- Do not expose to strong shock.
- Do not allow water or other liquid to splash on the remote control. If the remote control gets wet, wipe it dry immediately.
- Avoid exposure to heat and steam.
- Except to install the batteries, do not open the remote control.

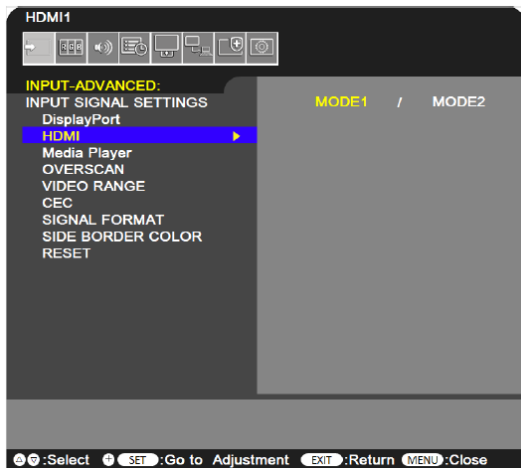
Troubleshooting

For general instructions on troubleshooting, please refer to standard user's manual of the base model monitors M551, M651.

1. Slow writing performance

Make sure the SDM PC is running UHD resolution with 60Hz.

- Switch the monitor to your preferred input source (e.g. HDMI 1, OPTION) using the remote control
- OSD MENU SETTING
 - INPUT » ADVANCED » HDMI
 - HDMI » MODE 2 [Max resolution is 3840 x 2160 (60 Hz), HDCP 2.2, or HDR]



- When this setting is changed, the OSD closes automatically.

2. The touch panel does not respond

- Make sure that PIP (picture in picture), PBP (picture by picture), TILE MATRIX, ROTATE and ZOOM are not selected.
- Check the input signal setting.
- The touch panel function does not support the media player function. Please use the remote control to set the media player while the touch panel function is working.
- Check the PC SOURCE setting in USB in CONTROL.

Using SDM slot PC:

Make sure the SDM slot PC is connected properly.

Make sure the USB cable is connected properly.

Using external computer:

Make sure the input signal is set to which supplied by the connected computer.

Make sure the USB cable is connected properly.

- The touch panel function may not work depending on the specification of an external computer and connecting method.

Troubleshooting

3. The response of the touch screen is not correct

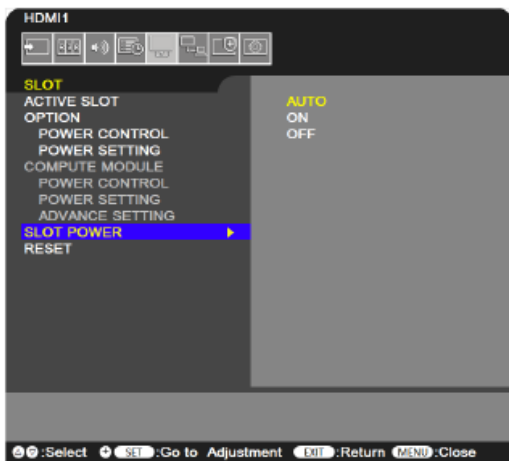
- Avoid direct sunlight or strong light on the screen.
- If there are some obstacles near the TOUCH screen, it may malfunction.
- Sensor bar module may be dusty or dirty, wipe gently with a soft cloth.
- Do not use USB extension cables.
- Crosscheck with different Windows Laptop.

4. Wake-up on touch not working

If wake-up on ouch is not working, make sure that SLOT POWER is set to ON.

- OSD MENU SETTING
 - SLOT » SLOT POWER
 - SLOT POWER » ON

5.4 SLOT POWER



Allows the monitor to supply power to an Option Board slot during power save mode or standby mode.

AUTO: Power is continuously supplied to the Option Board slot, even during power save and standby modes.

Power to the Option Board slot stops during power save and standby modes, when there is no installed device.

ON: Power is continuously supplied to the Option Board slot, even during power save and standby modes.

OFF: Power to the Option Board slot stops during power save and standby modes.

Specifications – MultiSync® M551 IGB

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 [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

Glass

Type	Premium toughened glass, anti-glare coating
Thickness [mm]	3
Light Transmission [%]	89 (+/- 1 %)

Synchronisation Rate

Horizontal Frequency [kHz]	26 - 91.1
Vertical Frequency [Hz]	23 - 86

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;	1650 x 1050; 1900 x 1200; 1920 x 1080; 1920 x 2160;	2560 x 1440; 2560 x 1600; 3840 x 2160; 4096 x 2160

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	Dual-Split; 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
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Specifications – MultiSync® M551 IGB

Electrical

Power Consumption Eco/max. [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

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
Palm Rejection	yes
Windows Ink	yes

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	Soundbar (SP-ASCM-IQ2; SP-ASCM-2); Speaker (SP-RM3a); Trolley (PD04 Tipster Trolley; PD02MHA; PD03MHA); Wall mount (PDW S 32-65 L; PDW S 32-65 P)
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Specifications – MultiSync® M551 IGB

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 NetLink Support; ASCII Control Commands; Crestron Connected; HDMI CEC; HTTP Browser; PLink; Scheduled Timer; SNMP
Remote Management	Automated Email Alerts; NEC 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



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NOTE: Technical specifications are subject to change without notice.

Specifications – MultiSync® M651 IGB

Product Information

Product Name	NEC MultiSync® M651 IGB
Product Group	LCD 65" InGlass™ Touch Display
Order Code	60005426

Display

Panel Technology	IPS with Direct LED backlights
Screen Size [inch/cm]	65 / 163.9
Aspect Ratio	16:9
Brightness [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

Glass

Type	Premium toughened glass, anti-glare coating
Thickness [mm]	3
Light Transmission [%]	88 (+/- 1 %)

Synchronisation Rate

Horizontal Frequency [kHz]	26 - 91.1
Vertical Frequency [Hz]	23 - 86

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;	1650 x 1050; 1900 x 1200; 1920 x 1080; 1920 x 2160;	2560 x 1440; 2560 x 1600; 3840 x 2160; 4096 x 2160

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
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Specifications – MultiSync® M651 IGB

Electrical

Power Consumption Eco/max. [W]	120 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]	1,501.3 x 879 x 73.2
Weight [kg]	53.5
Bezel Width [mm]	18.5 (left and right); 18.5 (top and bottom)
VESA Mounting [mm]	4 holes; 400 x 400 (FDMI); M8
Ingress Protection	IP5x (front); IP2x (back)
Packaging Dimensions (W x H x D) [mm]	Box 1: 1,736 x 1,033 x 280
Packaging Weight [kg]	Box 1: 65

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
Palm Rejection	yes
Windows Ink	yes

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	Soundbar (SP-ASCM-IQ2; SP-ASCM-2); Speaker (SP-RM3a); Trolley (PD04 Tipster Trolley; PD02MHA; PD03MHA); Wall mount (PDW T XL-2)
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Specifications – MultiSync® M651 IGB

Green Features

Energy Efficiency	Energy consumption: 116 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

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



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NOTE: Technical specifications are subject to change without notice.

Manufacturer's Recycling and Energy Information

NEC DISPLAY SOLUTIONS is strongly committed to environmental protection and sees recycling as one of the company's top priorities in trying to minimize the burden placed on the environment. We are engaged in developing environmentally friendly products, and always strive to help define and comply with the latest independent standards from agencies such as ISO (International Organization for Standardization) and TCO (Swedish Trades Union).

Disposing of your old NEC product

The aim of recycling is to gain an environmental benefit by means of re-use, upgrading, reconditioning or reclamation of material. Dedicated recycling sites ensure that environmentally harmful components are properly handled and securely disposed. To ensure the best recycling of our products, NEC DISPLAY SOLUTIONS offers a variety of recycling procedures and gives advice on how to handle the product in an environmentally sensitive way, once it has reached the end of its life.

All required information concerning the disposal of the product and country-specific information on recycling facilities can be found on our following websites:

<https://www.nec-display-solutions.com/p/greenvision/en/greenvision.xhtml> (in Europe)

Energy Saving

This monitor features an advanced energy saving capability. When a Display Power Management signal is sent to the monitor, the Energy Saving mode is activated. The monitor enters a single Energy Saving mode.

For additional information visit:

<https://www.nec-display-solutions.com/> (in Europe)

For ErP requirement/For ErP (Network standby) requirement:

Except for conditions below:

[POWER SAVE] is set to [DISABLE].

[SLOT POWER] is set to [ON].

[CEC] is set to [MODE1] or [MODE2].

The monitor is using an Option Board.

[MODE] in [POWER SAVE SETTING] is set to [LOW POWER].

[AUTO INPUT CHANGE] is set to a setting except for NONE.

[USB POWER] is set to [ON].

[QUICK START] is set to [ENABLE].

Power consumption (Glowing amber): 2.0 W or less.

Time for power management function: 10 sec. (Default setting).

Power consumption (Blinking amber): 0.5 W or less.

Time for power management function: 3 min. (Default setting)

Manufacturer's Recycling and Energy Information

WEEE Mark (European Directive 2012/19/EU and amendments)

Disposing of your used product: In the European Union



EU-wide legislation as implemented in each Member State requires that used electrical and electronic products carrying the mark (left) must be disposed of separately from normal household waste. This includes monitors and electrical accessories, such as signal cables or power cords. When you dispose of such products, please follow the guidance of your local authority or ask the shop where you purchased the product, or if applicable, follow applicable legislation or agreement you may have. The mark on electrical and electronic products may only apply to the current European Union Member States

Outside the European Union

If you wish to dispose of used electrical and electronic products outside the European Union, please contact your local authority and ask for the correct method of disposal.



For EU: The crossed-out wheeled bin implies that used batteries should not be put to the household waste! There is a separate collection system for used batteries, to allow proper treatment and recycling in accordance with legislation.

According to EU directive 2006/66/EC and amendments, the battery can't be disposed improperly. The battery shall be separated to collect by local service.