MultiSync™ M751 Large Format Installation Guide [Ver.1.0]

Contents:

Product Description:

Type:	LCD Display
Resolution:	3840 x 2160
Aspect Ratio:	16:9
EMI:	Class B

	VESA Hole Pattern	Dimensions (without stand)	Weight (without stand)	Power Consumption (Typical) (Max Brightness) (Absolute Max*)	BTU's (Typical) (Max Brightness) (Absolute Max*)	Current Rating
M751	600 x 400mm M8 x 18mm	66.2 x 37.8 x 3.3 in. 1682.3 x 961.1 x 83.2mm	38.2kg / 84.2lbs.	205W 275W 410W	699.05 BTU/hr 937.75 BTU/hr 1398.10 BTU/hr	4.9A @ 100V 2.0A @ 240V

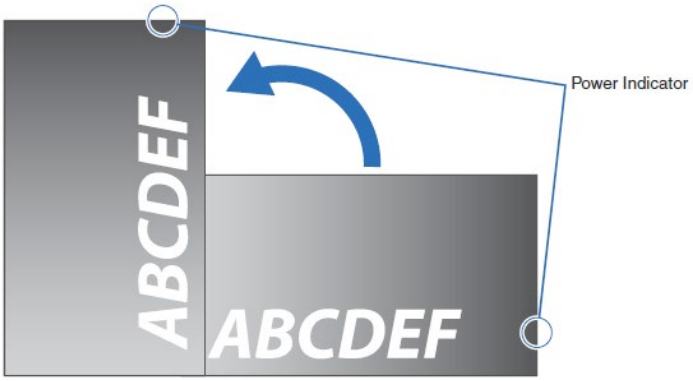
***Absolute Max refers to when the display is at full brightness with all slots active and volume at 100.**

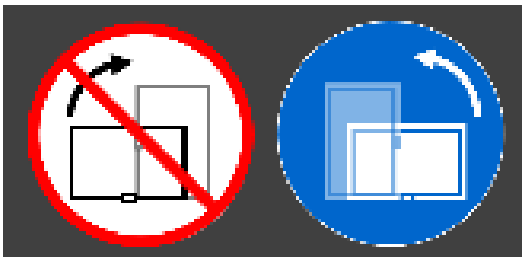
NOTES:

- This document is intended to be used as a reference guide to supply useful information for a design or installation. It is not intended to be a step-by step procedure for installation.
- Any ceilings or walls must be strong enough to support the monitor and the installation must be in accordance with any local building codes. All mounts should make secure contact to wood studs.
- Distances are in inches, for millimeters multiply by 25.4. Distances may vary ±5%.

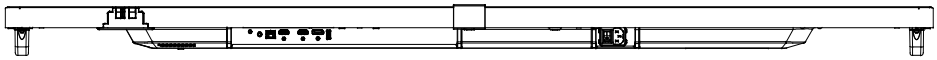
Rotation/Face Up:

- If display is to be used in portrait orientation, rotation needs to be **counterclockwise**. Note that if the unit is rotated in the wrong direction, a symbol should appear on the display notating the correct direction. Face Up orientation is supported for these models **only if the fan setting is on HIGH and if the ambient temperature stays less than 35 degrees Celsius.**



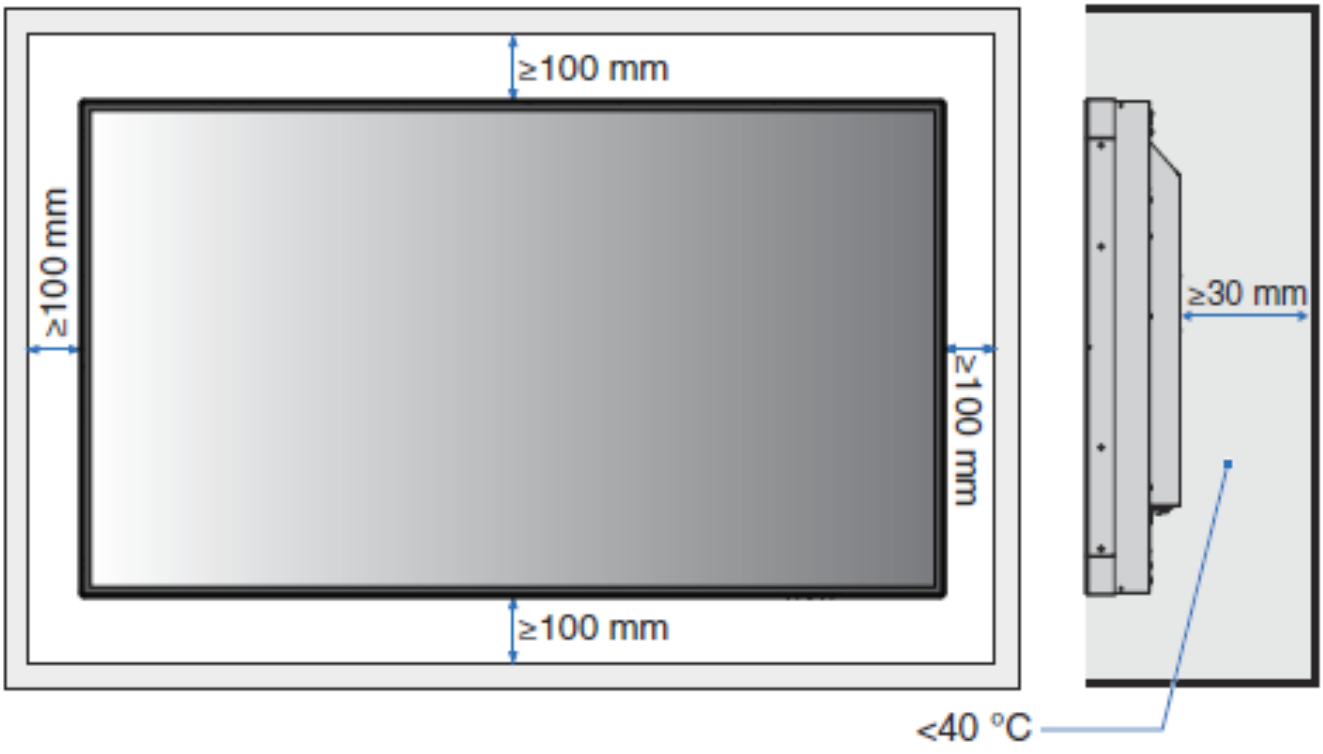


FAN ON HIGH AND AMBIENT TEMPERATURE LESS THAN 35C



Ventilation Recommendations:

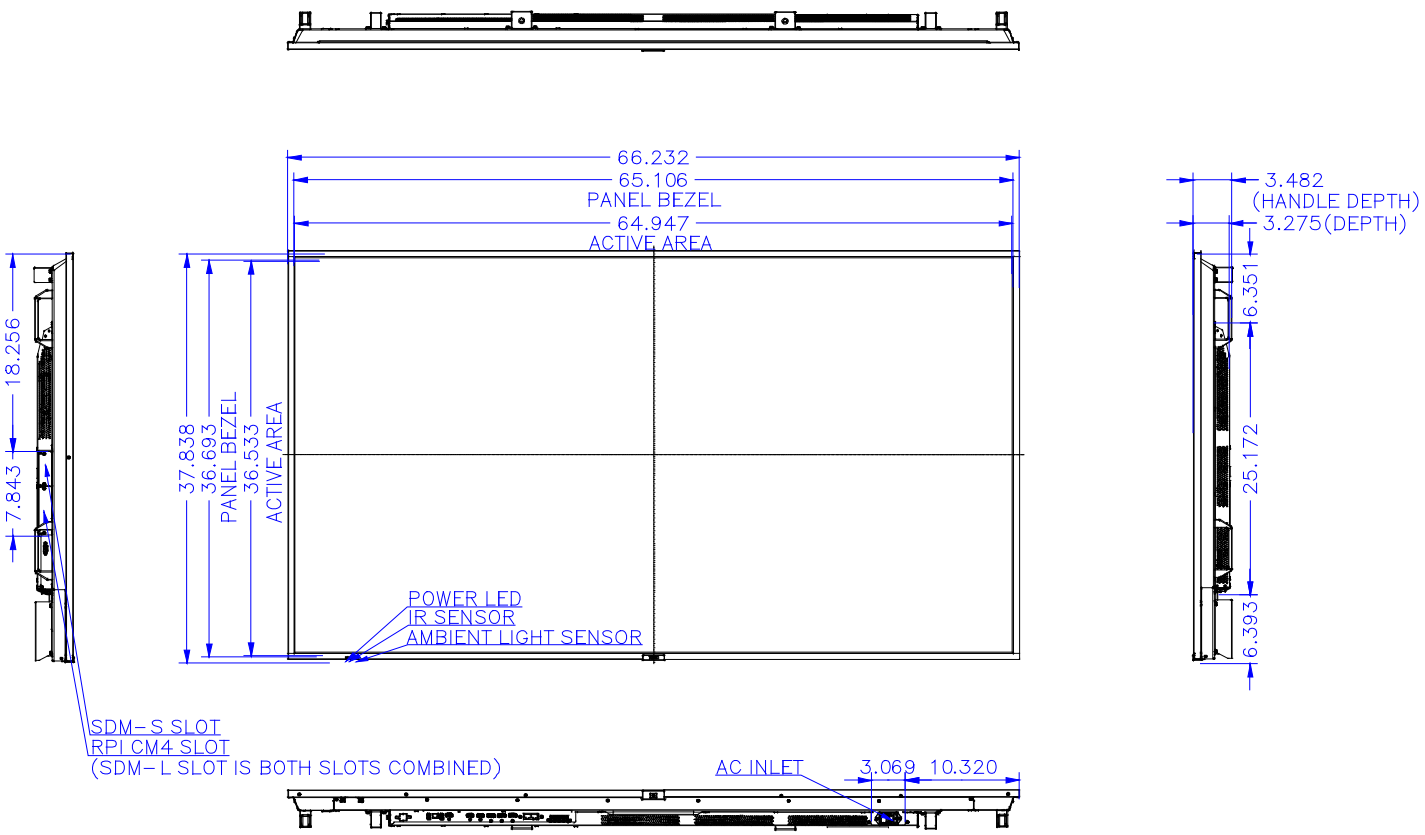
Dimensions below are minimum recommended for proper ventilation



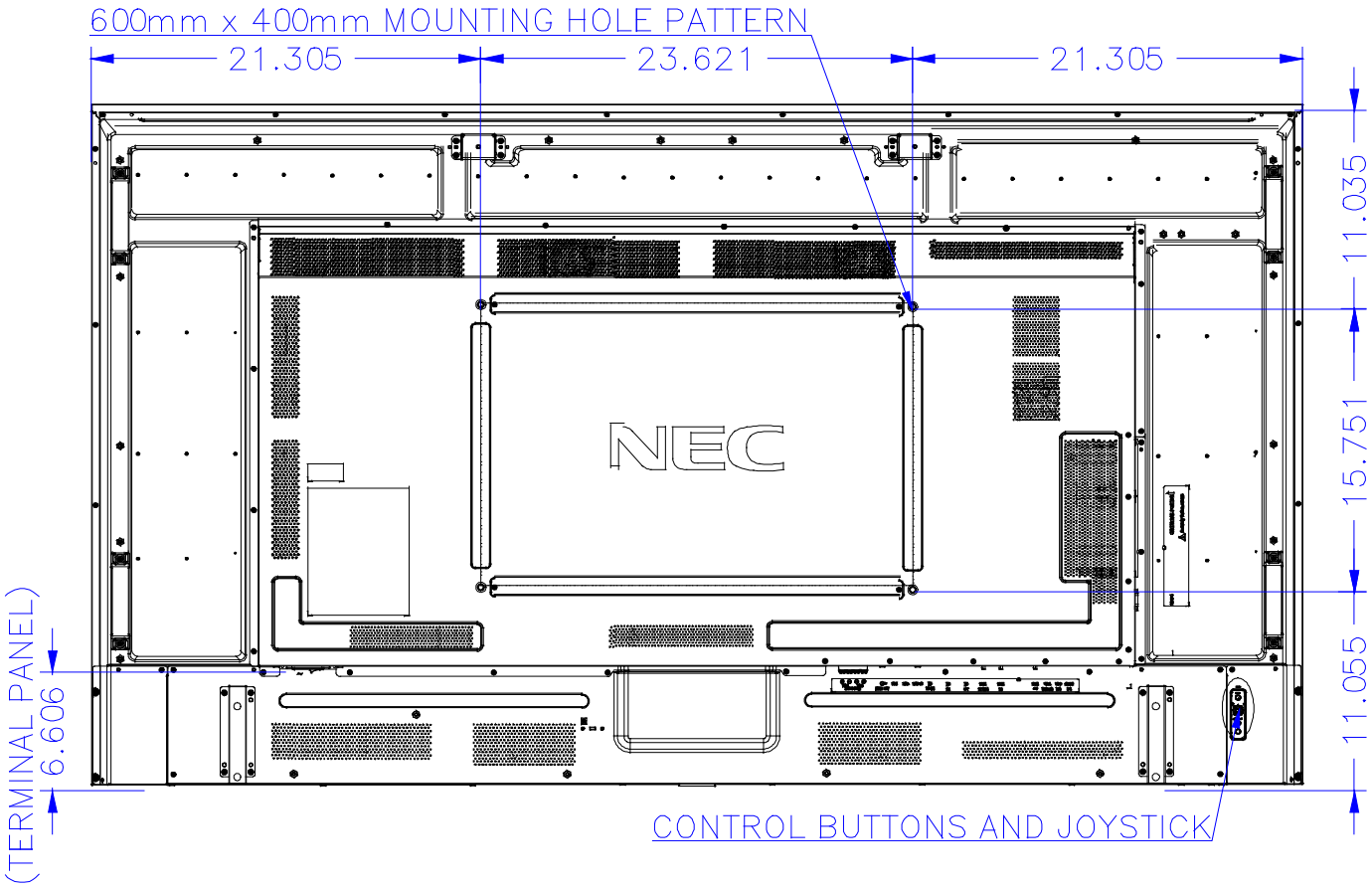
NOTE:

- The above are recommendations in order to keep your display as cool as possible. If the distances are less than the 100mm, extra ventilation may be necessary. The ventilation space should not be covered or closed off at the front of the opening. If for some reason the opening needs to be covered, other means of ventilation will need to be incorporated into the design. Contact NEC for design review and recommendations.

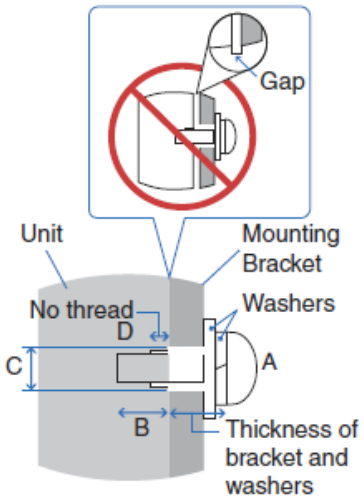
Display Dimensions – M751:



Display Dimensions – P435 cont'd:



NEC strongly recommends using size M8 screws (16 - 18mm + the thickness of the bracket and washers in length).



Installing and Removing the Optional Table Top Stand

- The M751 uses the ST-801 stand
- Only use the screws that are included with the optional stand.

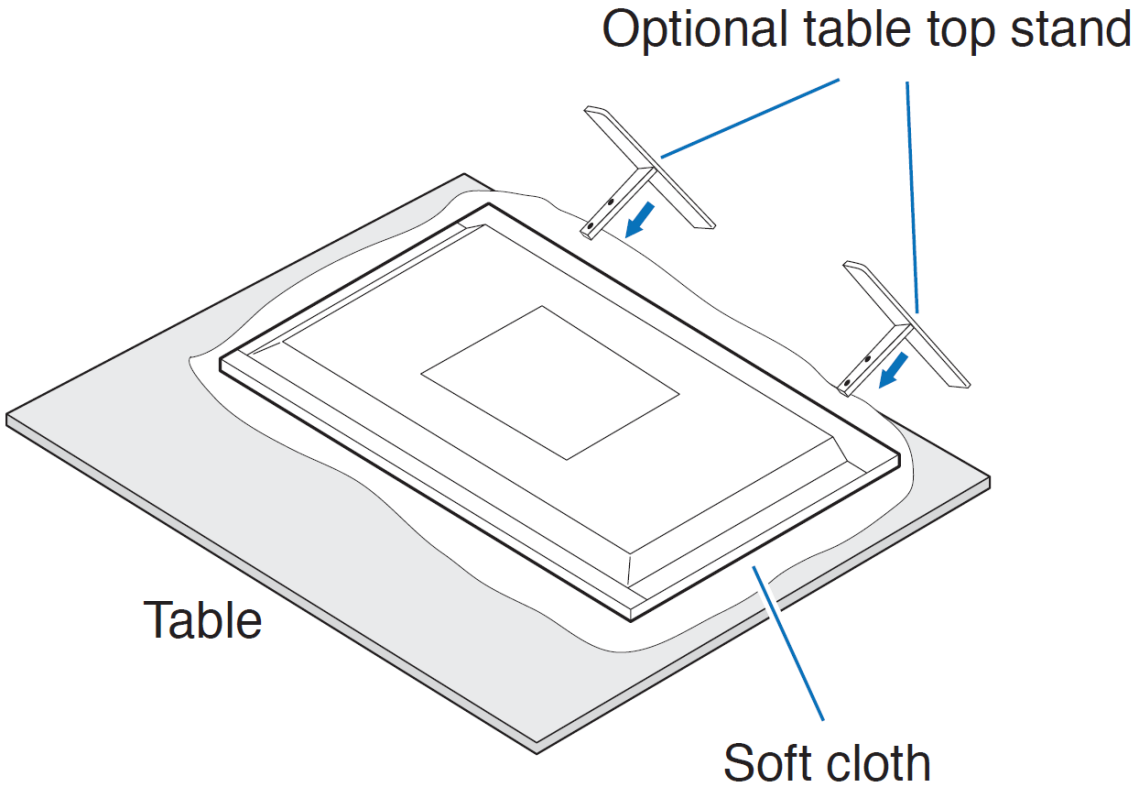
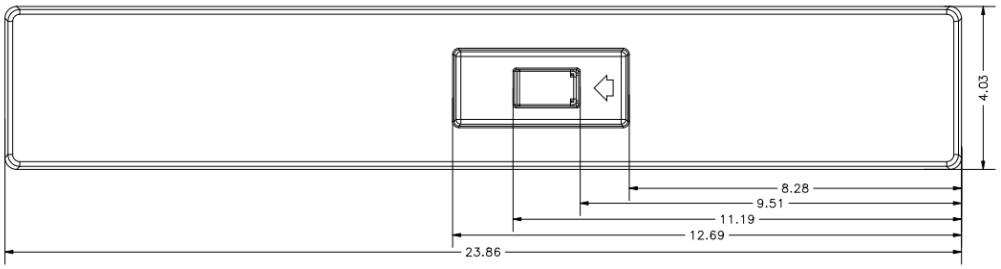
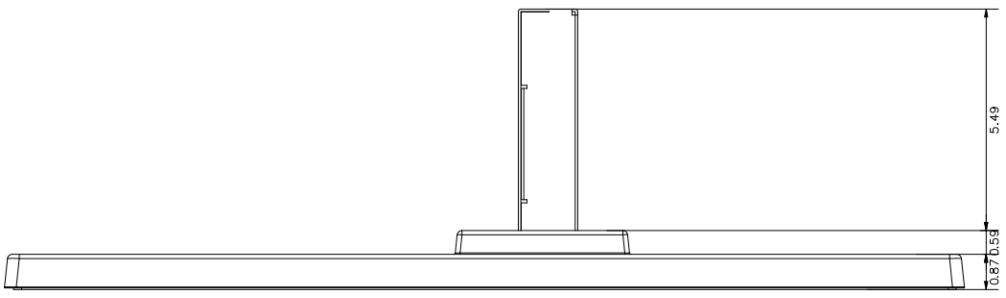
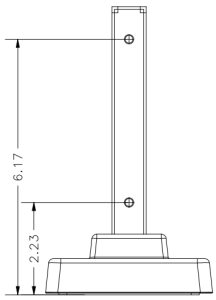


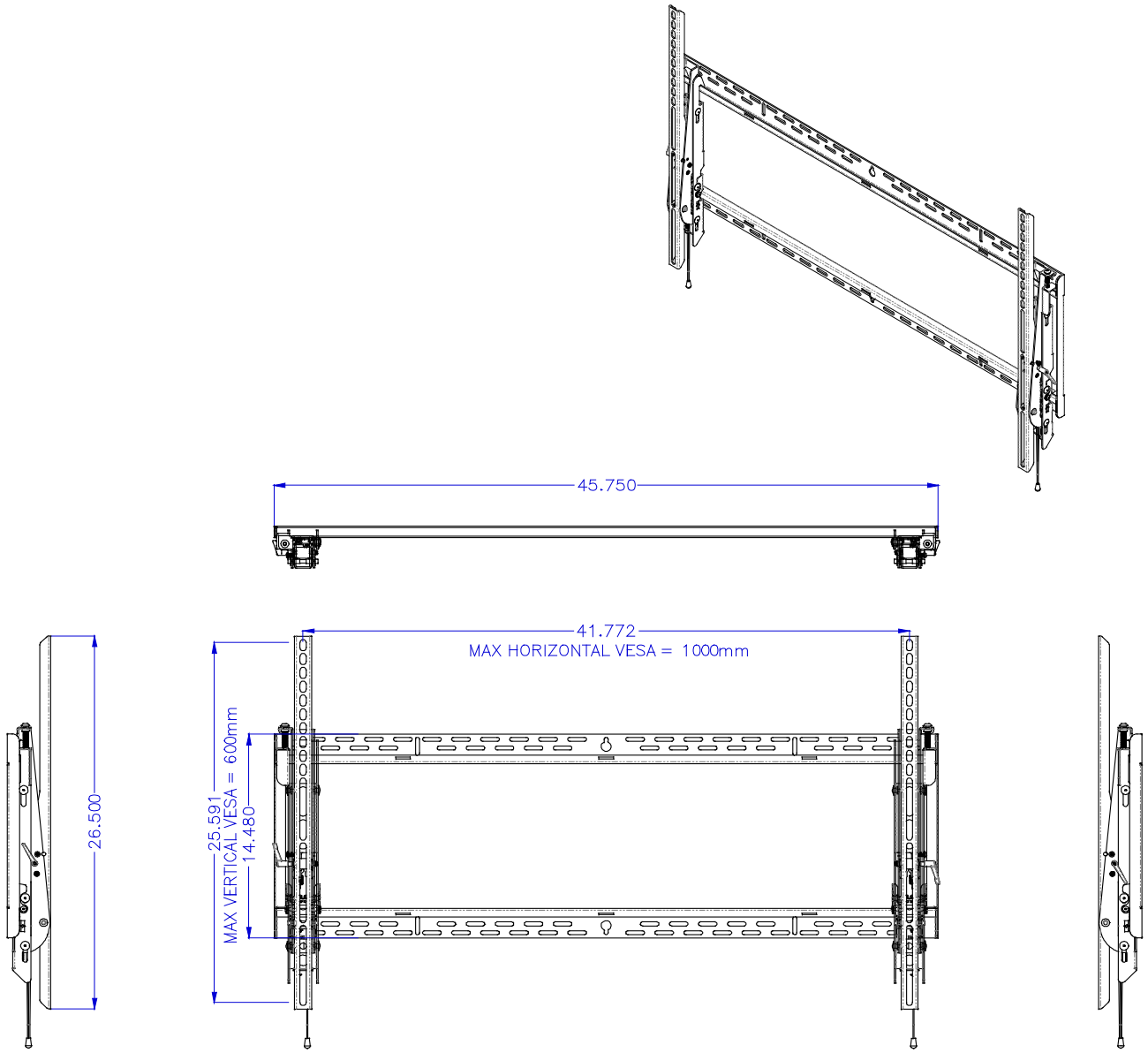
Table Top Stand Dimensions (ST-801 pictured below):



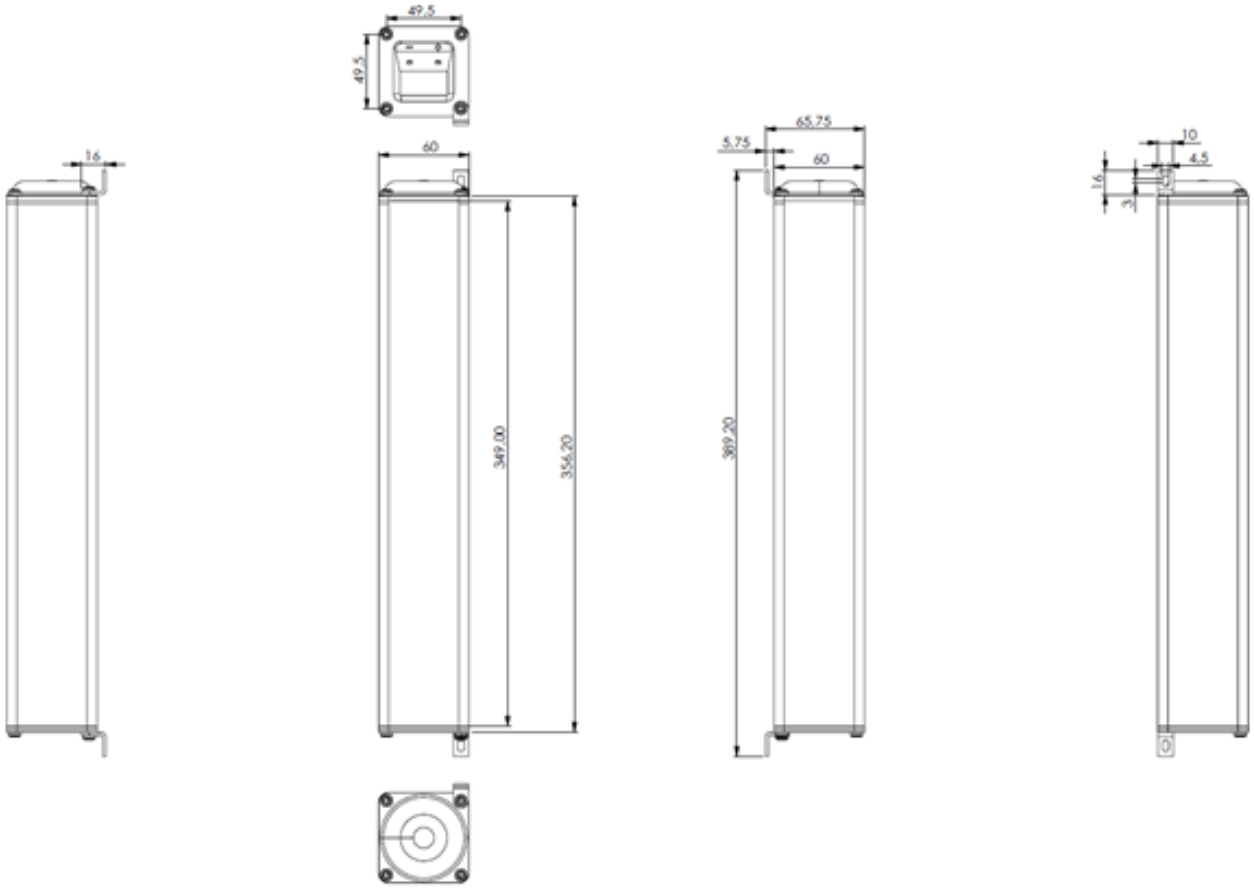




Optional Large Wall Mount (WMK-7598T):

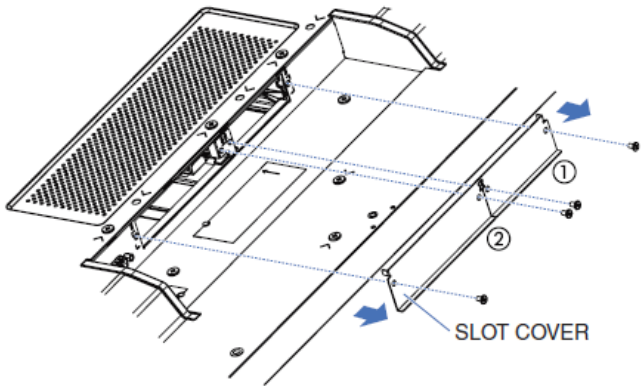


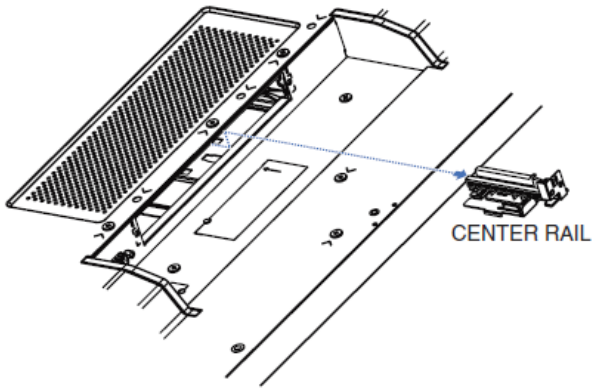
Optional Speaker Dimensions (SP-RM3):

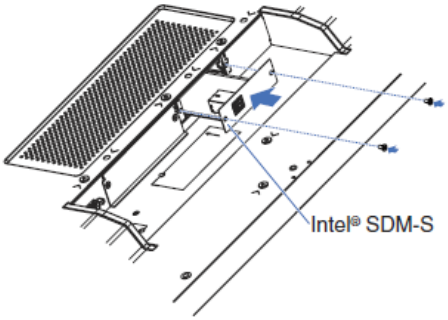


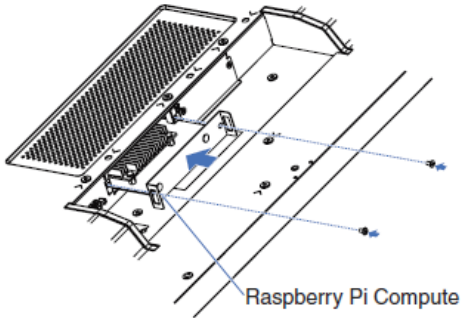
Intel® Smart Display Module Integration:

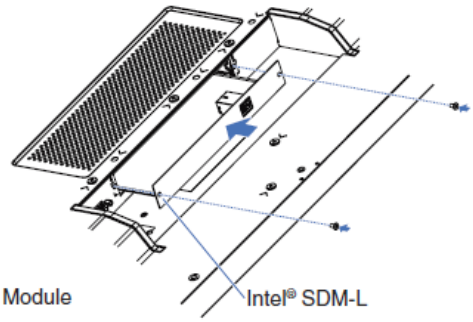
1. Place the monitor face down on a flat even surface that is larger than the monitor screen. Use a sturdy table that can easily support the weight of the monitor. To avoid scratching the LCD panel, always place a soft cloth, such as a blanket that is larger than the monitor's screen area, on the table before laying the monitor face down. Make sure there is nothing on the table that can damage the monitor.
2. Remove the SLOT COVER and note that when using Intel® SDM-L type option board, the CENTER RAIL will also need to be removed. Reverse the process to re-attach
3. Gently push in SDM-S, Raspberry Pi Compute Module IF Board or SDM-L module until you feel a slight click.
4. Screw in module using SLOT COVER screws if necessary





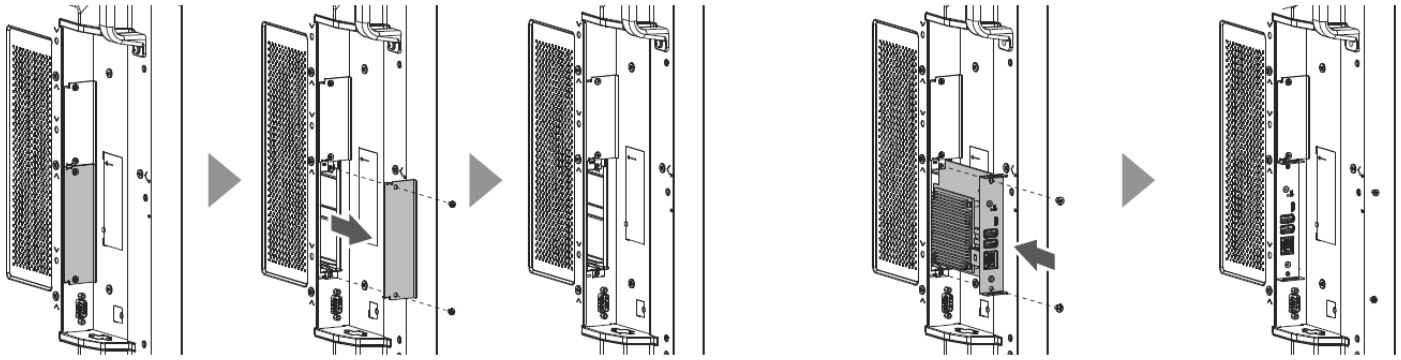






Compute Module Integration:

- Please see separate MPi4E installation guide for full integration. Image below may not represent actual back of unit but the concept is the same.
- Removing the OPTION COVER is necessary for installation



Final installed MPi4E or MPi4W below

Input Panel:

Bottom

Side (Rotated)

ASCII Common Commands:

- This monitor supports common ASCII control commands with many other NEC projectors. For more information on this, please see our website.

Parameter

Input command

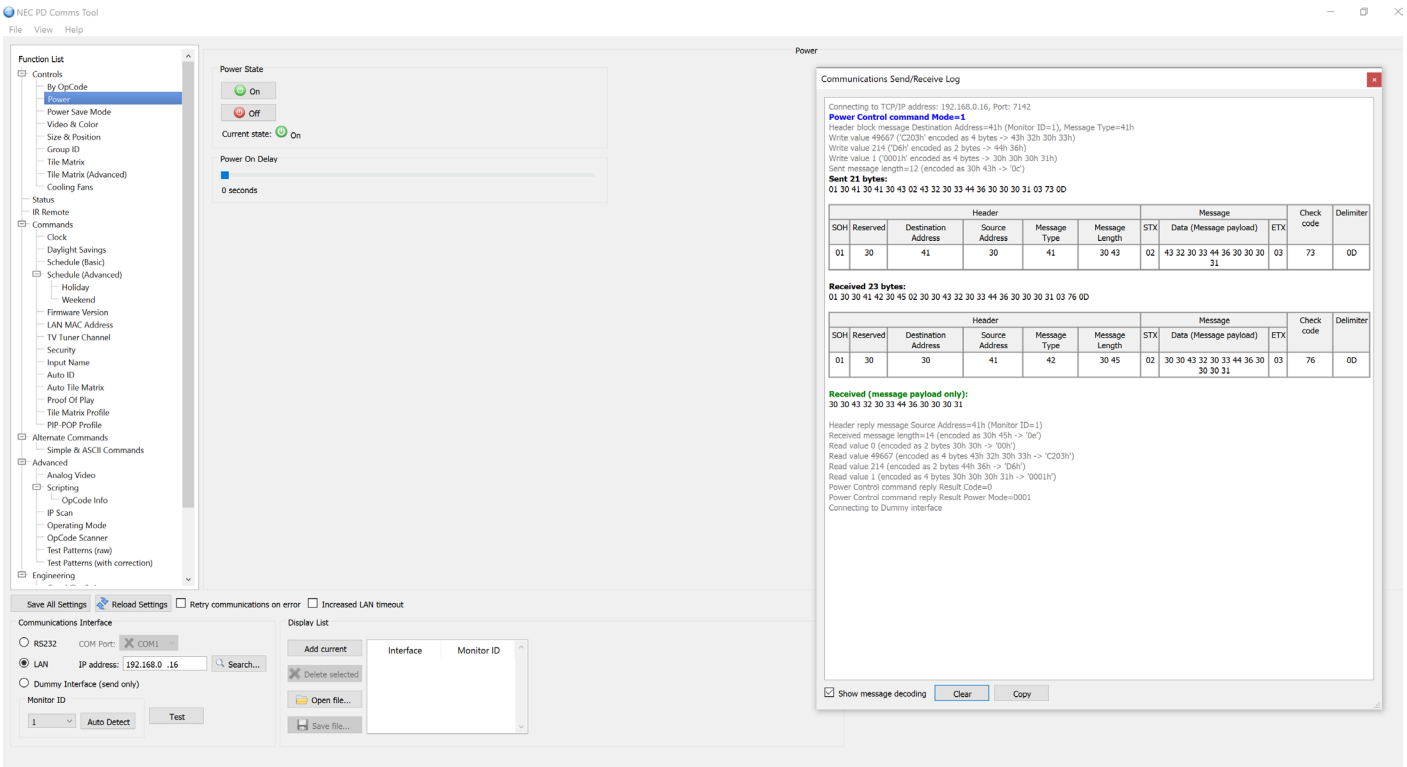
Input signal name	Response	Parameter
DisplayPort1	DisplayPort1	DisplayPort1 or DisplayPort
DisplayPort2	DisplayPort2	DisplayPort2
HDMI1	hdmi1	hdmi1 or hdmi
HDMI2	hdmi2	hdmi2
HDMI3	hdmi3	hdmi3
MP	mp	mp
OPTION	option	option

Status command

Response	Error status
error:temp	Temperature abnormal
error:fan	Cooling fan abnormal
error:light	Inverter or backlight abnormal
error:system	System error

PD Comms Tool

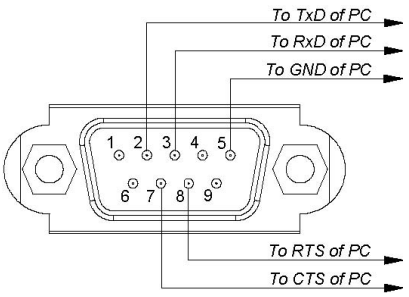
- Please download PD Comms Tool and open the Communications Log by going to View → Communications Log. From here you can find any external control code necessary for your installation
- PD Comms Tool can be downloaded from here: https://www.sharpnecdisplays.us/faqs/pdcommstool/179



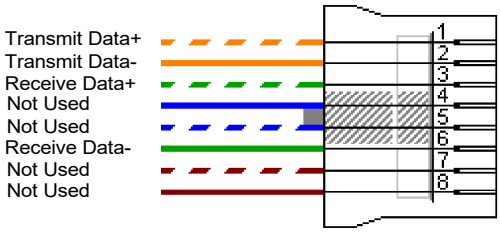
Cable Connection

Communication Protocol:

Interface:	RS-232C
Communication System:	Asynchronous
Baud Rate:	9600 bps
Data Length:	8 bits
Parity: None	
Stop Bit	1 bit
Communication Code:	ASCII



Interface:	Ethernet (CSMA/CD
Communication System:	TCP/IP (Internet Protocol Suite)
Communication Layer:	Transport layer (TCP)
IP Address:	192.168.0.10 (default out of box)
Port Number:	7142 (Fixed)



Browser Control:

Information and control can also be available through the HTTP browser control menu.
In order to accomplish this, type: **http://<the Monitor's IP address>/pd_index.html**
Note that the LAN Power needs to be turned on in order for the display to be controlled while the units are off.
All displays are set to the IP address 192.168.0.10 out of the box unless changed through the initial setup guide
Communicating network PC needs to be on the same subnet as display that is being communicated with