User Manual / Installation Guide

12" LCD Touch Monitor

Warning! The monitor may malfunction if it is operated with a different power supply or if it is supplied with the incorrect power voltage. Do not expose this unit to rain or moisture as this may result in fire or electric shock.

Content:

I. FCC Warning Statement

WARNING

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.

-Increase the separation between the equipment and receiver.

-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-Consult the dealer or an experienced radio/TV technician for help.

Notice:

(1) An Unshielded-type power cord is required in order to meet FCC emission limits and also to prevent interference to nearby radio and television reception. It is essential that only the supplied power cord is used.

(2) Use only shielded cables to connect I/O devices to this equipment.

(3) Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

II. Introduction

The 1200TS is a 12" TFT LCD monitor integrated with a resistive touch panel. Please contact us for optional MSR and optional 2nd display.

➢ Features

- Optimal display resolution 1024 * 768
- VESA 75 * 75 mm wall mount standard
- Durable and sturdy base design
- Optional 3 track Magnetic Strip Reader (MSR)
- Optional 2nd display (7"/8.4")
- Adjustable viewing angle up to 90 degrees horizontally
- Low power consumption of only 20W with LED backlight

➢ Unpacking the monitor

- Place the monitor on a clean surface, making sure the box is in an upright position.

Check accessory

Please make sure all of the following accessories are included:

Standard Items

a.

b.

c.

d.

e.

a. LCD Monitor
b. VGA cable
c. Touch cable (USB or RS232)
d. Power adaptor
e. Power cable

Optional Items

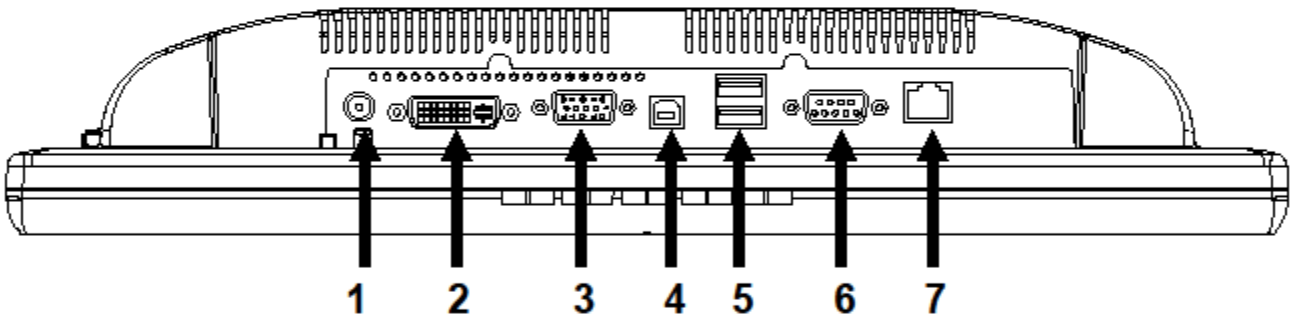
a.

b.

a. MSR
b. 2nd display (7” or 8.4”)

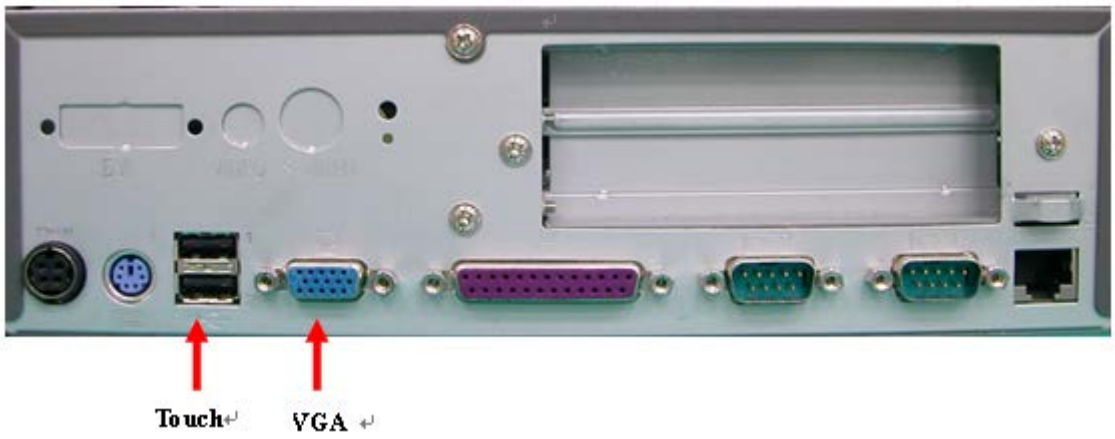
III. Installation

➢ I/O placement



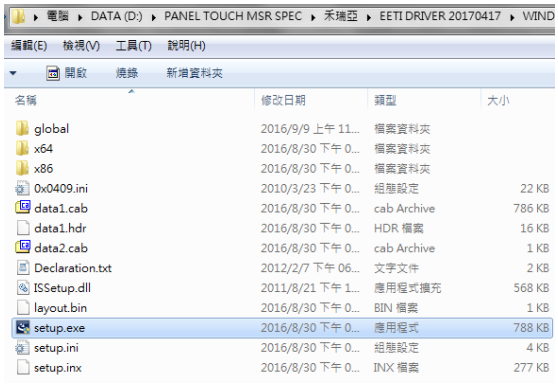
1	DC JACK	2	DVI
3	VGA	4	USB B Type
5	Dual USB A Type	6	RS232
7	RJ45(RS232)		

➢ To PC

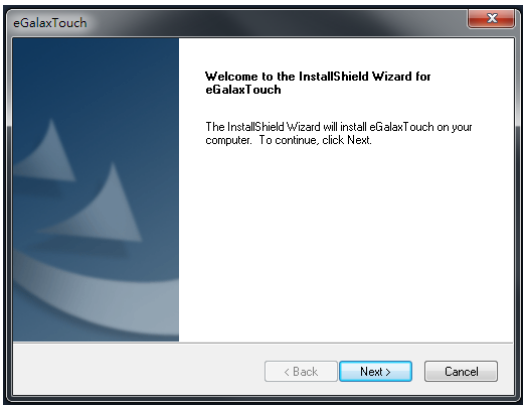


1. Connect VGA cable from monitor to PC
2. Connect USB touch cable to PC
3. Connect DC plug to monitor and the other side to wall outlet

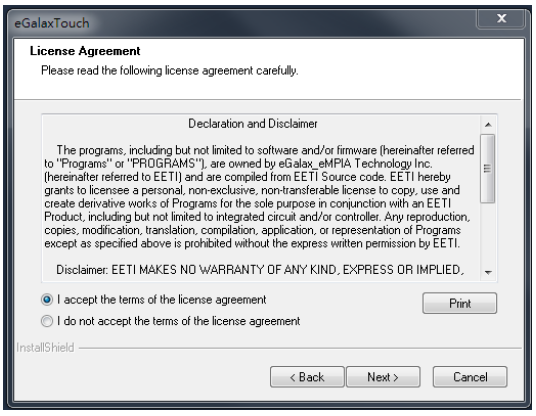
➢ Touch Driver installation



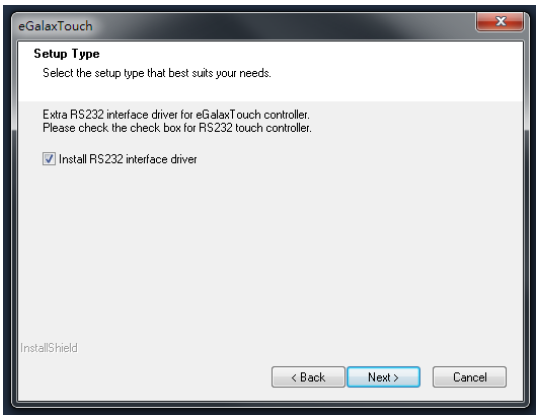
1. Double click “setup.exe” from driver menu



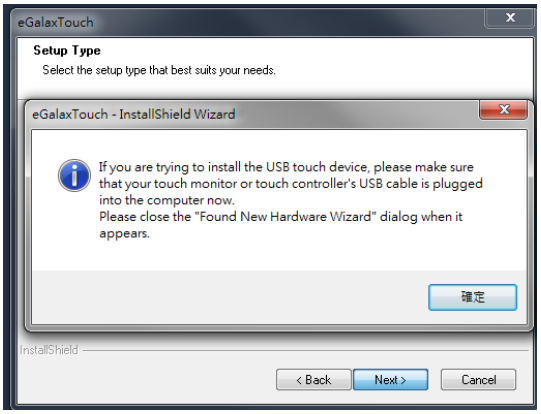
2. Click “next” from welcome window



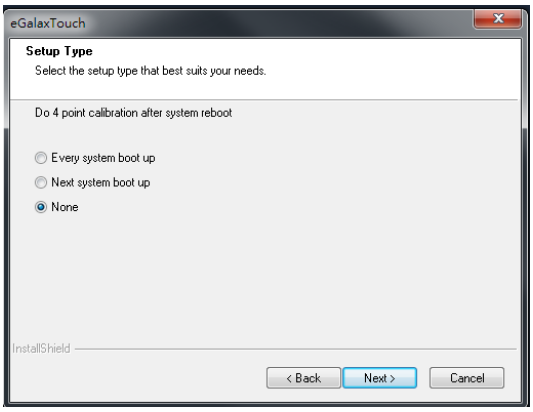
3. Click “next” from License Agreement



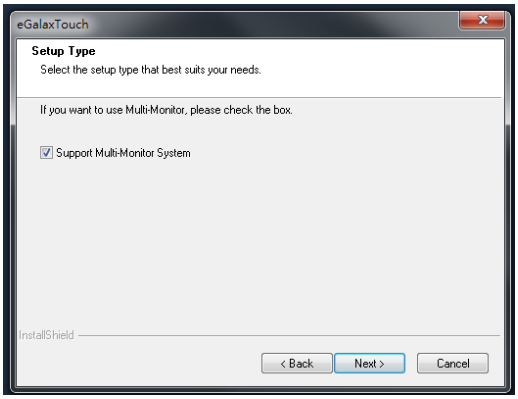
4. Click “next” from Setup Type



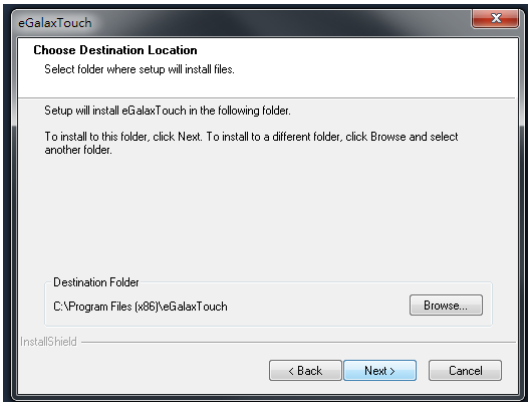
5. Click “next”



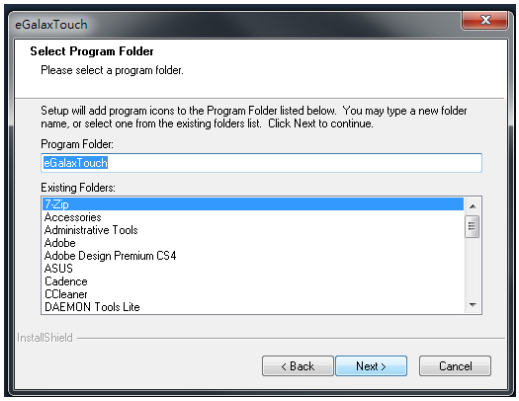
6. Click “next” from Setup Type



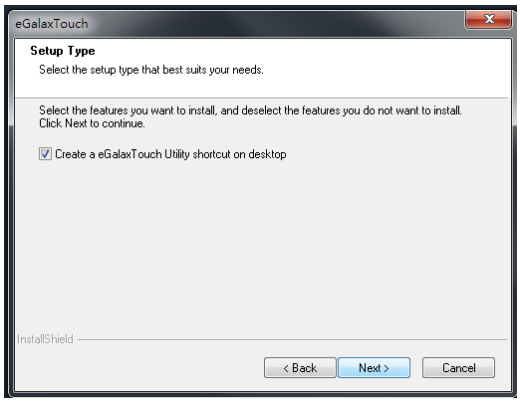
7. Click “next” from Setup Type



8. Click “next” from Choose Destination Location

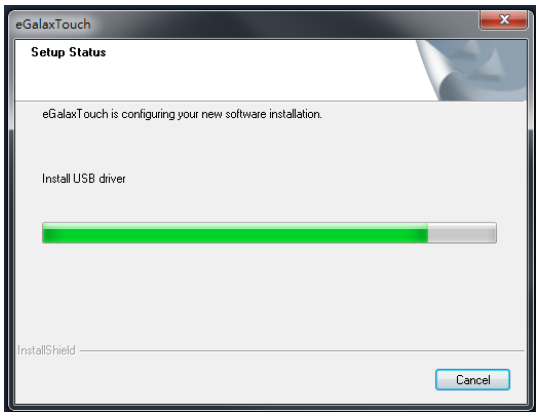


9. Click “next” from Select Program Folder



10. Click “next” from Setup Type

11. Click “next” from Setup Type



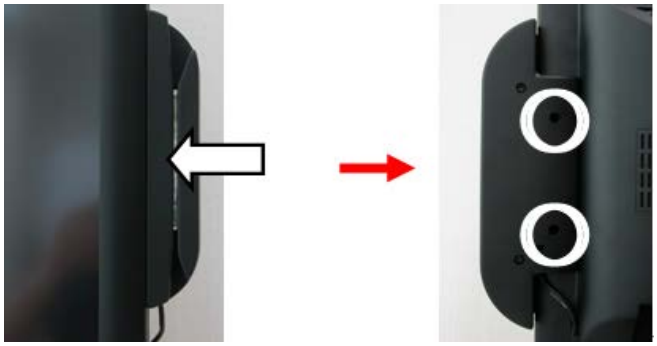
12. Click “next” from Setup Status

Calibration procedures:

1. Double click the “eGalax Touch” icon to run calibration function
2. Follow 4 point linearity calibration procedures and save the data
3. Follow free draw calibration
4. Exit calibration menu

➢ MSR installation (optional)

Components of MSR Kit:

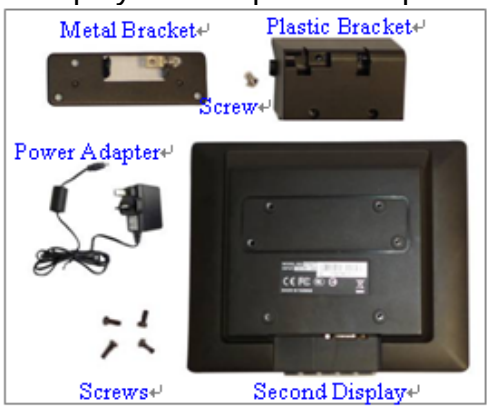


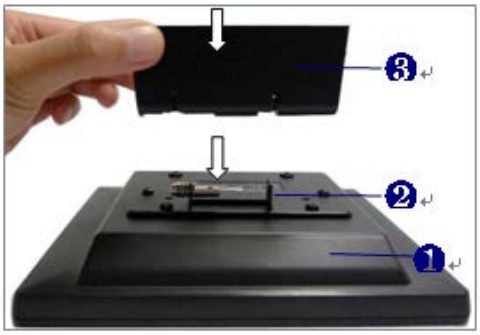
1. Slide the MSR into position on the display.
2. Fasten the screws (x2).

➢ Second Display installation (optional)：

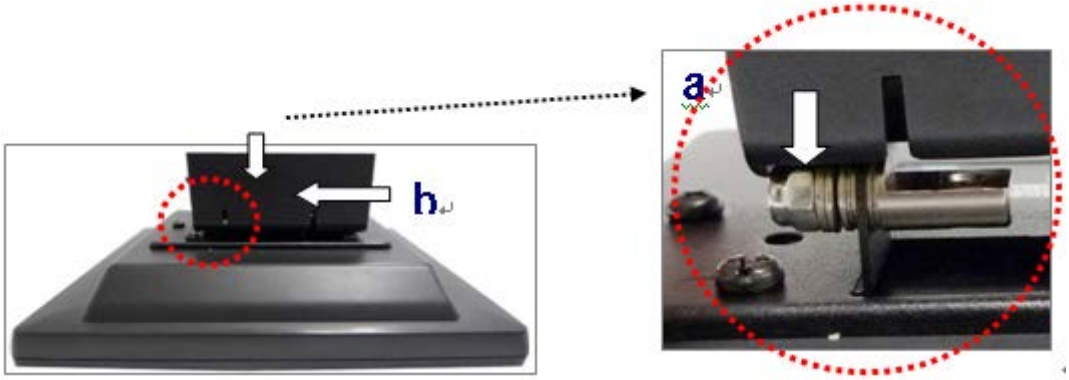
To install the Second Display, please open the VFD cover first.

Components of Second Display Kit with power adapter:





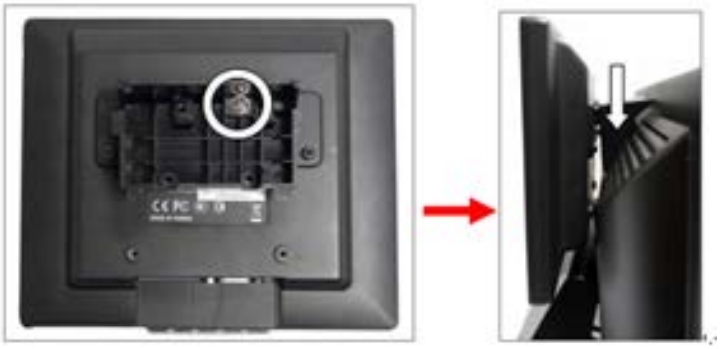
1. Fix the parts of Second Display modules as steps ❶ → ❷ → ❸ as above left picture shows. (detailed steps as below)
   ❶ Put the second display upside down.
   ❷ Place the metal bracket onto the rear side of the second display and fasten the screws (x4) to fix metal bracket with the system.



❸ Align the plastic bracket into position on the metal bracket.

(a) Align the plastic bracket onto the metal bracket.

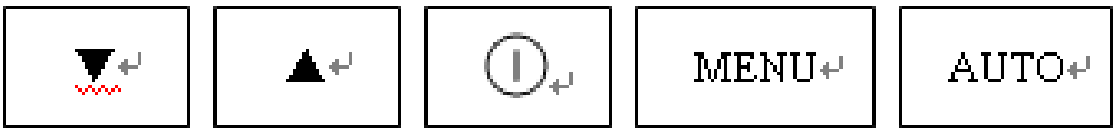
(b) Push left until the click sound is heard.



2. Fasten the screw (x1) to fix the plastic bracket and Second Display module with metal bracket.
3. Slide the Second Display Module into the slot.

4. Fasten the screws (x2) to fix the Second Display module with the System.
5. Connect the VGA cable to the Second Display Module and the System.
6. Connect the DC plug to the Second Display Module and the other side to power source.

➢ Control Buttons



Power	Use the power switch to turn the power ON or OFF. We recommend turning your system power on first, then the LCD monitor.
Auto Adjusting	a.) Press to execute AUTO-Adjust function. This function will set the monitor display area to the optimal position. b.) Sometimes this function can't achieve the optimal effects. Please follow the manual adjustment procedure.
Up	a.) When OSD mode is activated (When “MENU” key is pressed). The two keys are used to select the adjustment items. b.) When adjustment item is selected, the two keys are used to decrease or increase the value of each selected item.
Down	
Menu	When the light bar moves other items, the key are used to select it, and read to adjust. Press the MENU key to activate the On Screen Display (OSD). Press twice to turn off the OSD. After 30 sec idle time, the OSD screen will automatically turn off.

➢ Structure of OSD settings

	First Level	Second Level	Third Level	Operating Procedure
Main Menu	Auto Adjust			Press “UP” or “DOWN” to adjust H-phase & H-position & V-position clock automatically.
	Luminance	Brightness Contrast Exit		Press “UP” key to increase brightness, “DOWN” key to decrease brightness. Press “UP” key to increase contrast, “DOWN” key to decrease contrast.
	Geometry	H. Position V. Position Clock Phase Exit		Press “UP” key to shift screen right, “DOWN” key to shift screen left. Press “UP” key to shift picture upward, “DOWN” key to shift picture downward. Adjust sampling clock of analog to digital converter until clock is equal to pixel frequency of video input. By varying this “UP” “DOWN” control the exact sampling time within the pixel can be adjusted.
	Color	9300K 6500K 5800K		Press “UP” or “DOWN” to choose three types of color temperature 9300°k, 6500°k and user defined.
		User Preset	Red Green Blue Exit	
		Exit		
	OSD	H. Position V. Position OSD Timeout Exit		Adjust OSD frame horizontal location, press “UP” key to shift frame right, “DOWN” key to shift frame left , timeout and preset OSD. Adjust OSD frame vertical location, press “UP” key to shift frame upward, “DOWN” key to shift frame downward , timeout and preset OSD.
	Language	English French German Italian Spanish Japanese T. Chinese S. Chinese		Press “UP” or “DOWN” to choose any one of the following languages: English, French, German, Italian, Spainish , Japanese, Traditional Chinese or Simplified Chinese.
	Recall	Color Recall Recall All Exit		Recall the default value.
	Miscellaneous	Sharpness Display Information Exit		Press “UP” key to increase sharpness, “DOWN” key to decrease sharpness.
	Exit			

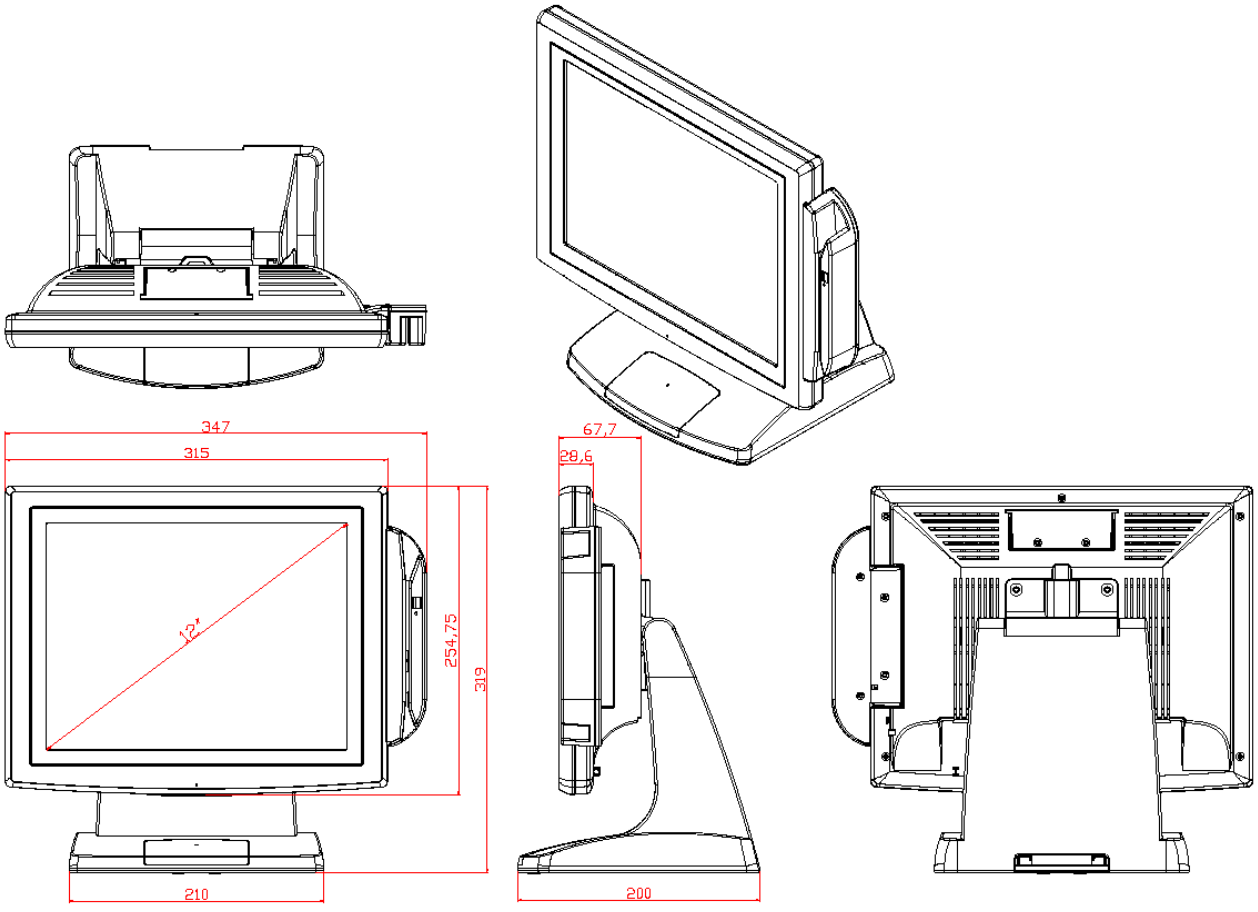
IV. For your safety

1. When moving the monitor, always switch off power and disconnect all cables to avoid any danger.
2. Please use the power and signal cables correctly when installing or adjusting it.
3. In case of notice any abnormal smell or noise, please stop operation and call the nearest dealer or service center.

V. Support timing chart

Timing Mode	Reference Standard	Resolution	Pixel MHz	FH KHz	FV Hz	Interlace	H Polarity	V Polarity
Mode 1	VESA	1024×768	65.000	48.363	60.004	NO	-	-
Mode 2	VESA	1024×768	75.000	56.476	70.069	NO	-	-
Mode 3	VESA	1024×768	75.011	57.524	72.000	NO	+	+
Mode 4	VESA	1024×768	78.750	60.023	75.029	NO	+	+

VI. Mechanical Dimension:



VII. Product General Specification

Model	12” LCD Touch Monitor
COLOR	BLACK
Display size	12”
Display Area	245.76 * 184.32 mm
Optimal Resolution	1024 * 768
Brightness (Panel)	500 cd/m2 (typ)
Contrast Ratio	700:1 (typ)
Response Time	16ms (typ)
Viewing Angle(L/R/U/D)	80 / 80 / 70 / 70 (typ)
Input Video signal connector	D-Sub 15 pins + DVI-D
Power consumption	20W
Input Frequency	H: 31.5-60.2 kHz ; V: 56.3-75Hz
Power supply	DC 12V +/- 10%
Temperature	Operating : 0℃~40℃ ; Storage : -10℃~50℃
Weight (Net)	3.48kgs
Physical Dimension	315 (W) * 319 (H) * 200 (D) mm
Approvals	CE, FCC
Touch Technology	5W Resistive touch
Wall Mount type	VESA 75 * 75 mm
Optional items	
Wall Mount	Bracket
MSR	3 Tracks
2nd Display	7”/8.4”
Customer Display	VFD