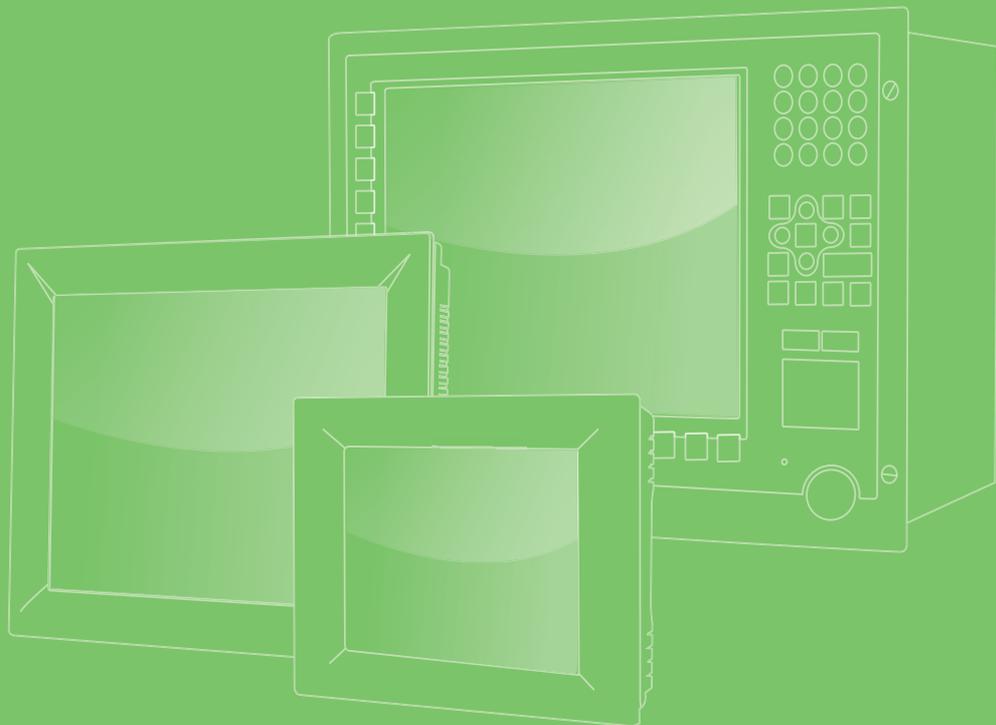


User Manual



FPM-7151W Series

顯示器

15.6" Industrial Monitor with
Projected Capacitive
Touchscreen, Direct-VGA/DVI or
VGA/HDMI ports

ADVANTECH

Enabling an Intelligent Planet

限用物質含有情況標示聲明書

設備名稱：電腦 Equipment name		型號（型式）：FPM-7151W Type designation (Type)（系列型號參見說明書）				
單元 Unit	限用物質及其化學符號 Restricted substances and its chemical symbols					
	鉛 Lead (Pb)	汞 Mercury (Hg)	鎘 Cadmium (Cd)	六價鉻 Hexavalent chromium (Cr ⁺⁶)	多溴聯苯 Polybrominated biphenyls (PBB)	多溴二苯醚 Polybrominated diphenyl ethers (PBDE)
電路板	—	○	○	○	○	○
面板	—	○	○	○	○	○
內外殼 （外殼、內 部框架 … 等）	—	○	○	○	○	○
配件 （線材）	—	○	○	○	○	○
其它固定 組件（螺 絲、夾具、 卡筍）	—	○	—	○	○	○
<p>備考 1. “超出 0.1 wt %” 及 “超出 0.01 wt %” 係指限用物質之百分比含量超出百分比含量基準值。 Note 1. “Exceeding 0.1 wt %” and “exceeding 0.01 wt %” indicate that the percentage content of the restricted substance exceeds the reference percentage value of presence condition.</p> <p>備考 2. “○” 係指該項限用物質之百分比含量未超出百分比含量基準值。 Note 2. “○” indicates that the percentage content of the restricted substance does not exceed the percentage of reference value of presence.</p> <p>備考 3. “—” 係指該項限用物質為排除項目。 Note 3. The “-” indicates that the restricted substance corresponds to the exemption.</p>						

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This manual covers the following models:

FPM-7151W-P3AE

FPM7151WP3A1701E-T; FPM7151WP3A1702E-T

FPM7151WP3A1703E-T; FPM7151WP3A1704E-T

FPM7151WP3A1705E-T; FPM7151WP3A1801E-T

FPM7151WP3A1802E-T; FPM7151WP3A1803E-T

FPM7151WP3A1804E-T; FPM7151WP3A1805E-T

FPM7151WP3A1901E-T; FPM7151WP3A1902E-T

FPM7151WP3A1903E-T; FPM7151WP3A1904E-T

FPM7151WP3A1905E-T; FPM7151WP3A2001E-T

FPM7151WP3A2002E-T; FPM7151WP3A2003E-T

FPM7151WP3A2004E-T; FPM7151WP3A2005E-T

FPM-7151W-X0AE

FPM7151WX0A1701E-T; FPM7151WX0A1702E-T

FPM7151WX0A1703E-T; FPM7151WX0A1801E-T

FPM7151WX0A1802E-T; FPM7151WX0A1803E-T

FPM7151WX0A1901E-T; FPM7151WX0A1902E-T

FPM7151WX0A1903E-T; FPM7151WX0A2001E-T

FPM7151WX0A2002E-T; FPM7151WX0A2003E-T

Product Warranty (2 years)

Advantech warrants to you, the original purchaser, that each of its products will be free from defects in materials and workmanship for two years from the date of purchase.

This warranty does not apply to any products which have been repaired or altered by persons other than repair personnel authorized by Advantech, or which have been subject to misuse, abuse, accident or improper installation. Advantech assumes no liability under the terms of this warranty as a consequence of such events.

Because of Advantech's high quality-control standards and rigorous testing, most of our customers never need to use our repair service. If an Advantech product is defective, it will be repaired or replaced at no charge during the warranty period. For out-of-warranty repairs, you will be billed according to the cost of replacement materials, service time and freight. Please consult your dealer for more details.

If you think you have a defective product, follow these steps:

1. Collect all the information about the problem encountered. (For example, CPU speed, Advantech products used, other hardware and software used, etc.) Note anything abnormal and list any onscreen messages you get when the problem occurs.
2. Call your dealer and describe the problem. Please have your manual, product, and any helpful information readily available.
3. If your product is diagnosed as defective, obtain an RMA (return merchandise authorization) number from your dealer. This allows us to process your return more quickly.
4. Carefully pack the defective product, a fully-completed Repair and Replacement Order Card and a photocopy proof of purchase date (such as your sales receipt) in a shippable container. A product returned without proof of the purchase date is not eligible for warranty service.
5. Write the RMA number visibly on the outside of the package and ship it prepaid to your dealer.

Declaration of Conformity

This device complies with part 15 of the FCC rules: Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

FCC Class A

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Technical Support and Assistance

1. Visit the Advantech web site at www.advantech.com/support where you can find the latest information about the product.
2. Contact your distributor, sales representative, or Advantech's customer service center for technical support if you need additional assistance. Please have the following information ready before you call:
 - Product name and serial number
 - Description of your peripheral attachments
 - Description of your software (operating system, version, application software, etc.)
 - A complete description of the problem
 - The exact wording of any error messages

警告使用者：

這是甲類資訊產品，在居住的環境中使用時，可能會造成射頻干擾，在這種情況下，使用者會被要求採取某些適當對策。

Safety Instructions

1. Read these safety instructions carefully.
2. Keep this User Manual for later reference.
3. Disconnect this equipment from any AC outlet before cleaning. Use a damp cloth. Do not use liquid or spray detergents for cleaning.
4. For plug-in equipment, the power outlet socket must be located near the equipment and must be easily accessible.
5. Keep this equipment away from humidity.
6. Put this equipment on a reliable surface during installation. Dropping it or letting it fall may cause damage.
7. The openings on the enclosure are for air convection. Protect the equipment from overheating. **DO NOT COVER THE OPENINGS.**
8. Make sure the voltage of the power source is correct before connecting the equipment to the power outlet.
9. Position the power cord so that people cannot step on it. Do not place anything over the power cord.
10. All cautions and warnings on the equipment should be noted.
11. If the equipment is not used for a long time, disconnect it from the power source to avoid damage by transient overvoltage.
12. Never pour any liquid into an opening. This may cause fire or electrical shock.
13. Never open the equipment. For safety reasons, the equipment should be opened only by qualified service personnel.
14. If one of the following situations arises, get the equipment checked by service personnel:
 - The power cord or plug is damaged.
 - Liquid has penetrated into the equipment.
 - The equipment has been exposed to moisture.
 - The equipment does not work well, or you cannot get it to work according to the user's manual.
 - The equipment has been dropped and damaged.
 - The equipment has obvious signs of breakage.
15. **DO NOT LEAVE THIS EQUIPMENT IN AN ENVIRONMENT WHERE THE STORAGE TEMPERATURE MAY GO BELOW -20° C (-4° F) OR ABOVE 60° C (140° F). THIS COULD DAMAGE THE EQUIPMENT. THE EQUIPMENT SHOULD BE IN A CONTROLLED ENVIRONMENT.**
16. The sound pressure level at the operator's position according to IEC 704-1:1982 is no more than 70 dB (A).

DISCLAIMER: This set of instructions is given according to IEC 704-1. Advantech disclaims all responsibility for the accuracy of any statements contained herein.

安全指示

1. 請仔細閱讀此安全操作說明。
2. 請妥善保存此用戶手冊供日後參考。
3. 用濕抹布清洗設備前，請從插座拔下電源線。請不要使用液體或去汙噴霧劑清洗設備。
4. 對於使用電源線的設備，設備周圍必須有容易接觸到的電源插座。
5. 請不要在潮濕環境中使用設備。
6. 請在安裝前確保設備放置在可靠的平面上，意外跌落可能會導致設備損壞。
7. 設備外殼的開口是用於空氣對流，從而防止設備過熱。**請不要覆蓋這些開口。**
8. 當您連接設備到電源插座上前，請確認電源插座的電壓是否符合要求。
9. 請將電源線佈置在人們不易絆到的位置，並不要在電源線上覆蓋任何雜物。
10. 請注意設備上的所有警告和注意標語。
11. 如果長時間不使用設備，請將其同電源插座斷開，避免設備被超標的電壓波動損壞。
12. 請不要讓任何液體流入通風口，以免引起火災或者短路。
13. 請不要自行打開設備。為了確保您的安全，請由經過認證的工程師來打開設備。
14. 如遇下列情況，請由專業人員來維修：
 - 電源線或者插頭損壞；
 - 設備內部有液體流入；
 - 設備曾暴露在過於潮濕的環境中使用；
 - 設備無法正常工作，或您無法通過用戶手冊來使其正常工作；
 - 設備跌落或者損壞；
 - 設備有明顯的外觀破損。
15. 請不要把設備放置在超出我們建議的溫度範圍的環境，即不要低於 -20°C (-4°F) 或高於 60°C (140°F)，否則可能會損壞設備。
16. **注意：**如果電池更換不正確，將有爆炸的危險。因此，只可以使用製造商推薦的同一種或者同等型號的電池進行替換。請按照製造商的指示處理舊電池。
17. 根據 IEC 704-1:1982 的規定，操作員所在位置的聲壓級不可高於 70dB(A)。
18. 限制區域：請勿將設備安裝於限制區域使用。
19. 免責聲明：該安全指示符合 IEC 704-1 的要求。研華公司對其內容的準確性不承擔何法律責任。
20. 使用過度恐傷害視力
21. 使用 30 分鐘請休息 10 分鐘
22. 未滿 2 歲幼兒不看螢幕，2 歲以上每天看螢幕不要超過 1 小時

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Chapter 1

General Information

Sections include:

- Introduction
- Specifications
- LCD Specification
- Power Consumption
- Connectors
- Dimensions

1.1 Introduction

Advantech's FPM-7151W is a 15.6" wide screen colour TFT LCD flat panel monitor built specifically for industrial applications. With the its touchscreen, FPM-7151W is an excellent and user-friendly system control interface.

In addition to its usual application as an LCD panel monitor, FPM-7151W comes as standard with direct VGA/DVI or VGA/HDMI control signal inputs, making it compatible with Industrial PCs and Workstations. Its OSD function (on rear cover) allows you to adjust display factors such as brightness, contrast, colours and VGA signal information functions that are more and more critical as HMI users become aware of the benefits of flat panel monitors. The whole chassis is of SECC steel, and the front panel is of aluminium with IP66 certification.

With new multi-touch technology, this monitor can be immediately transformed into a remote control system. Advantech FPM-7151W is the ultimate HMI solution for your industrial application.

1.2 Specifications

1.2.1 General

- **Construction:** Die-cast Magnesium alloy front bezel and SECC rear cover
- **Front panel:** IP66 certified
- **Control:** OSD control pad on rear
- **Mounting:** Panel, wall, desktop, VESA
- **Dimensions (W x H x D):** 419.7 x 269 x 47.7mm
- **Weight:** 5 kg (11 lbs)

1.2.2 Touchscreen

- **Type:** Projected Capacitive touch
- **Controller:** USB & RS-232 interface
- **OS Support:** Microsoft® Windows XP, Vista, 7, 8, XPe, CE and Linux

1.3 LCD Specification

- **Display Type:** WXGA LED LCD
- **Display Size:** 15.6"
- **Max. Colors:** 16.7 M
- **Max. Resolution:** 1366 x 768
- **View Angle:** 170° (V), 160° (H)
- **Luminance:** 300 cd/m²
- **Storage Temperature:** -20 ~ 60°C
- **Operating Temperature:** 0 ~ 55°C
- **Contrast Ratio:** 500:1 (typ)
- **Lamp Life Time (MTBF):** 50,000 hrs.

1.4 Power Consumption

- **Max Power consumption:** 20W +/- 20%
- **Power input:** Phoenix Jack: 24VDC
 - SINPRO, SPU63-105 adaptor: input
 - AC100~240V 1.6A, output DC12V 4.75A, Power consumption 57W
 - DELTA, DPS-60PB A adaptor: input
 - AC100~240V 2A, output DC12V 5A, Power consumption 60W
- **Safety Standards:** BSMI, CE, FCC, CCC, UL

1.5 Connectors

The following connectors are situated on FPM-7151W Series:

- **VGA Port (DB-15)**

This DB-15 connector can be connected to the system via the external 15-pin DB-15 connector located on the left side of the system unit.
- **HDMI port**

Connected with a standard HDMI connector and only supports digital signals.
- **Touchscreen Connector (DB-9)**

This connector will be present only if a touchscreen is installed. It must be connected to the RS-232 port of the PC. The touchscreen cable is included with all orders which include the touchscreen option.
- **Touchscreen Connector (USB)**

This connector will be present only if a touchscreen is installed. It must be connected to the USB port of the PC. The touchscreen cable is included with all orders which include the USB touchscreen option.

Note! *RS-232 & USB touchscreen interface allows connection to the system at the same time, but the USB interface has higher priority. Also note that when using the USB touch interface and then switching to RS-232 interface, you need to restart your industrial PC or workstation.*



- **DC 12V Power In**

This connector will be connected to the DC 12V Switching Power Supply.
- **Plug-In Block 3P Male (ME050-50803) DC10-30V**

This block connector can be connected via the external plug-in block 3P with a Female MC211-F103 connector

1.6 Dimensions

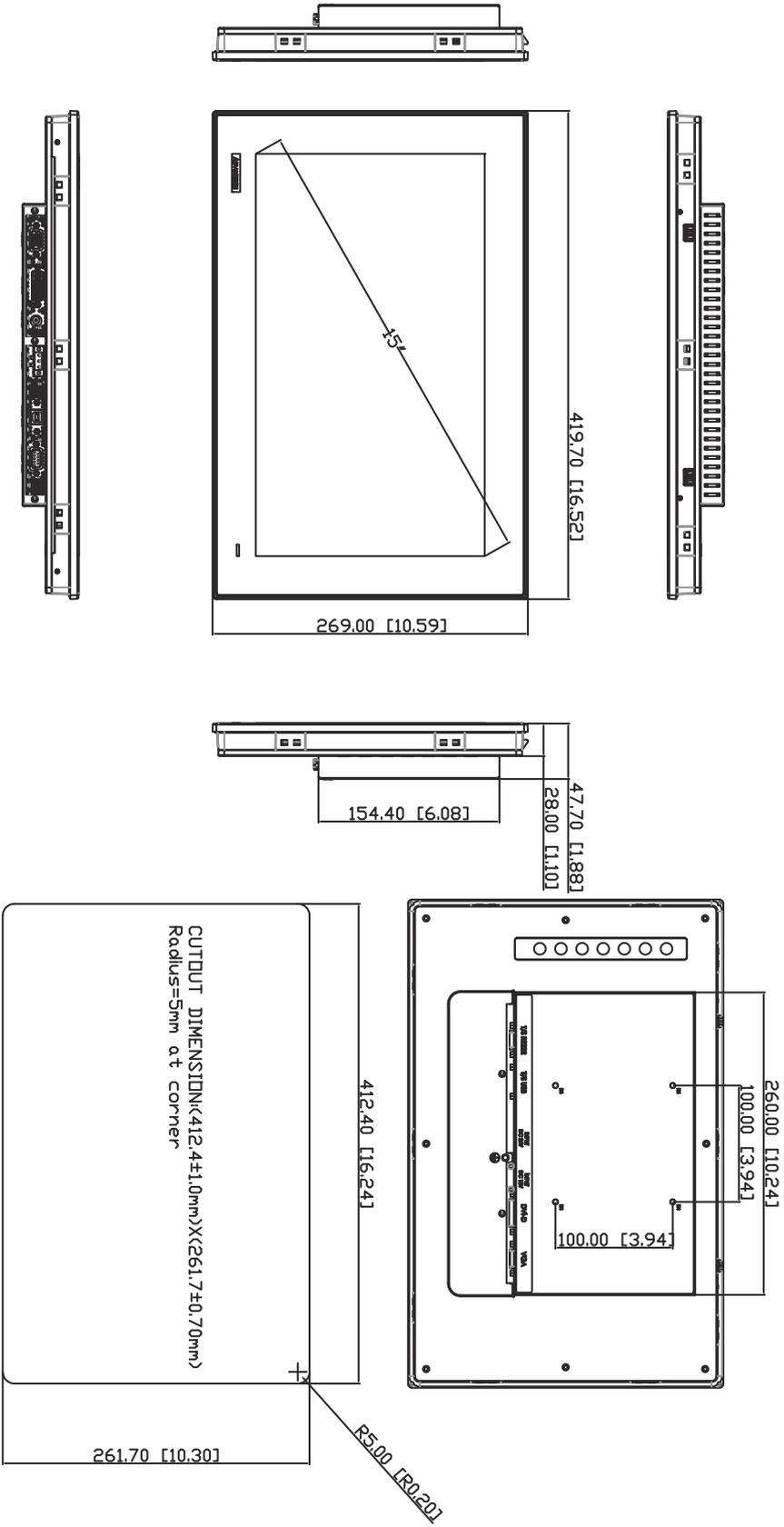
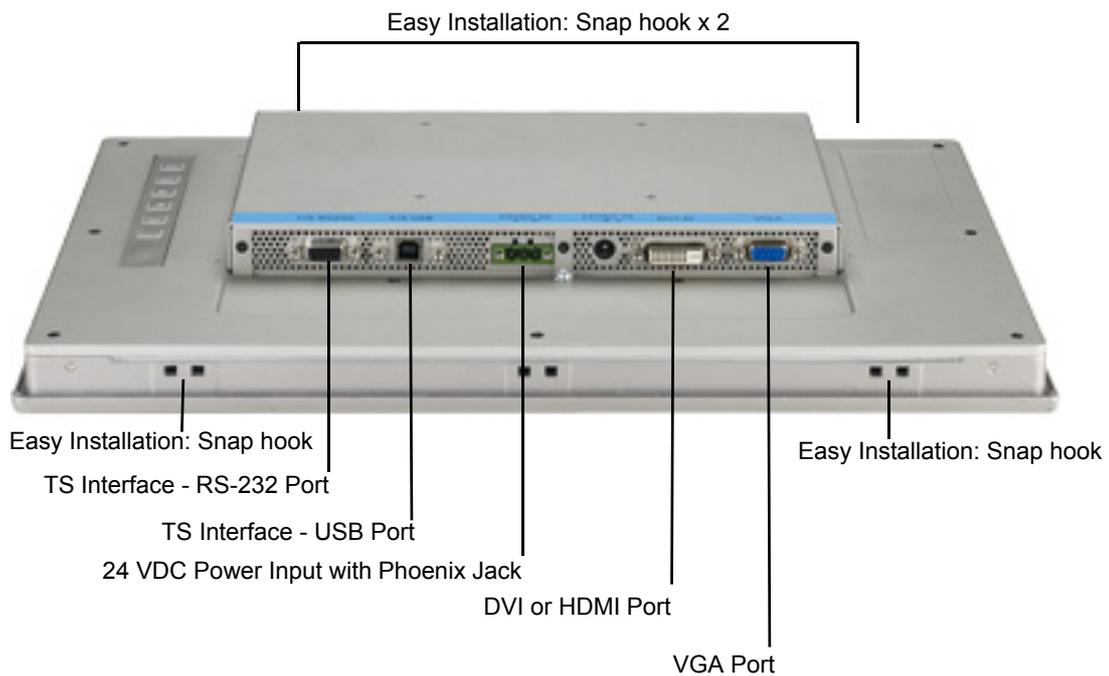
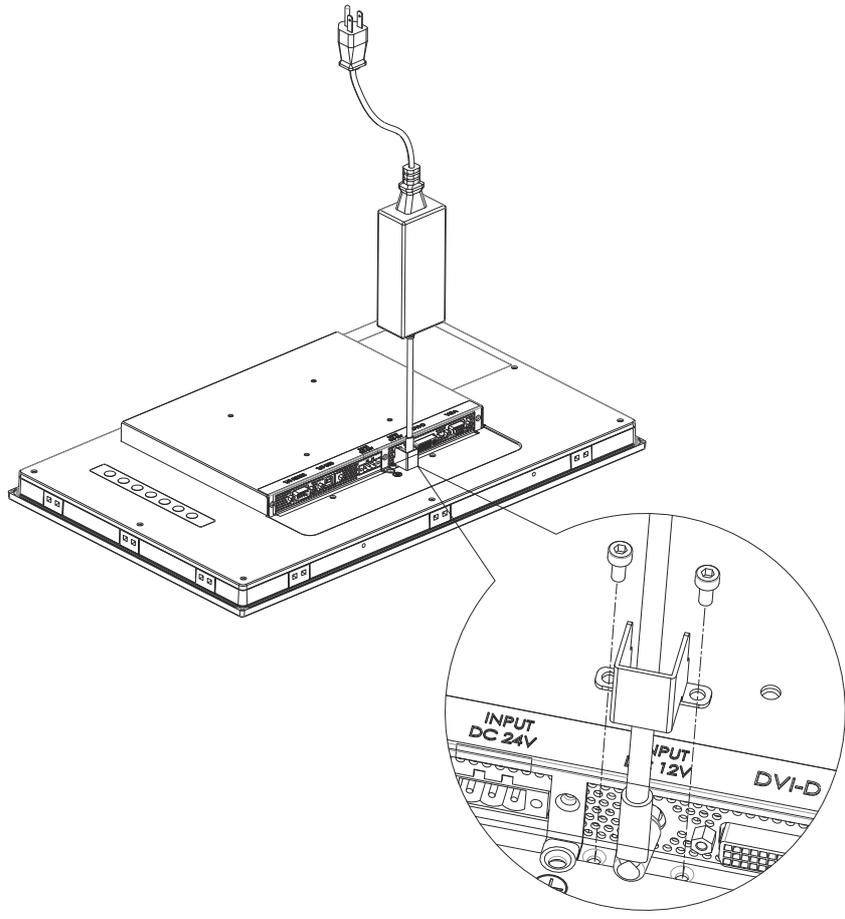


Figure 1.1 FPM-7151W Dimensions

1.7 Power Connector Bracket



Chapter 2

Mounting

- Wall Mounting
- Panel Mounting
- Desktop Mounting
- Swing Arm Mounting

2.1 Mounting the Monitor

The FPM-7151W Series can be mounted in many different ways. The versatility of the FPM-7151W mounts enable it to be mounted on your desk or anywhere else.

2.1.1 Wall Mounting with FPM-7181W-SMKE Kit

FPM-7151W can be mounted directly on a wall with panel mounting brackets. Refer to Figure 2.1 and follow the steps below to mount FPM-7151W on a wall:

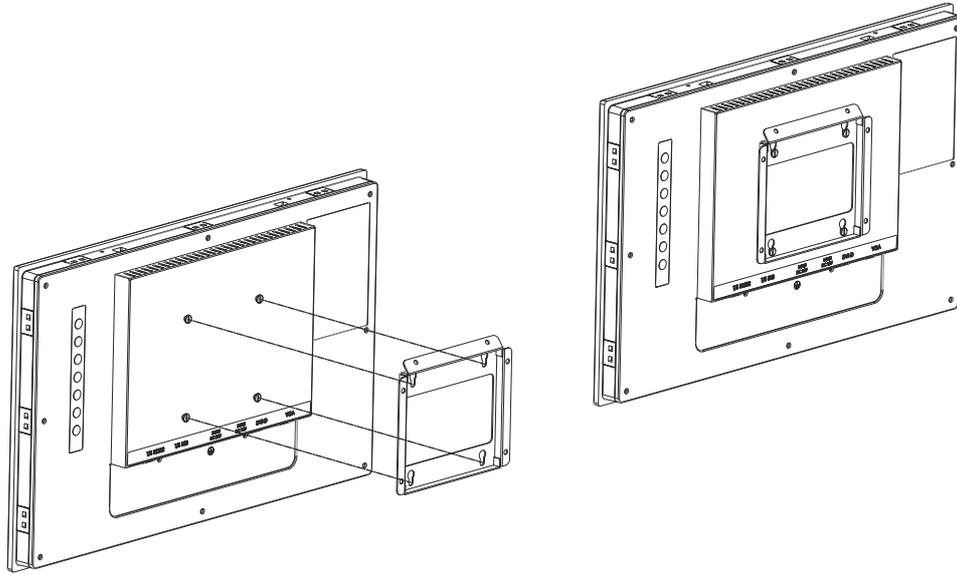
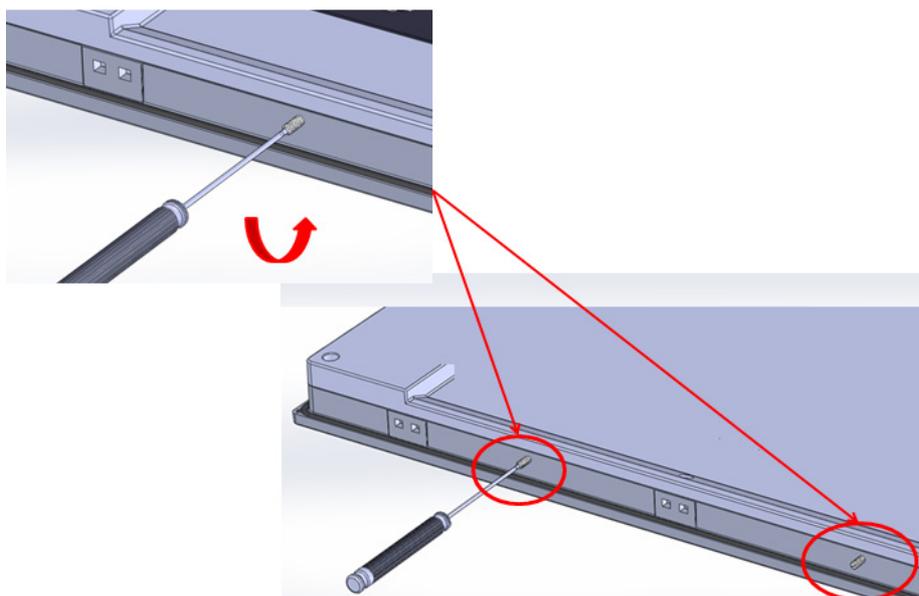
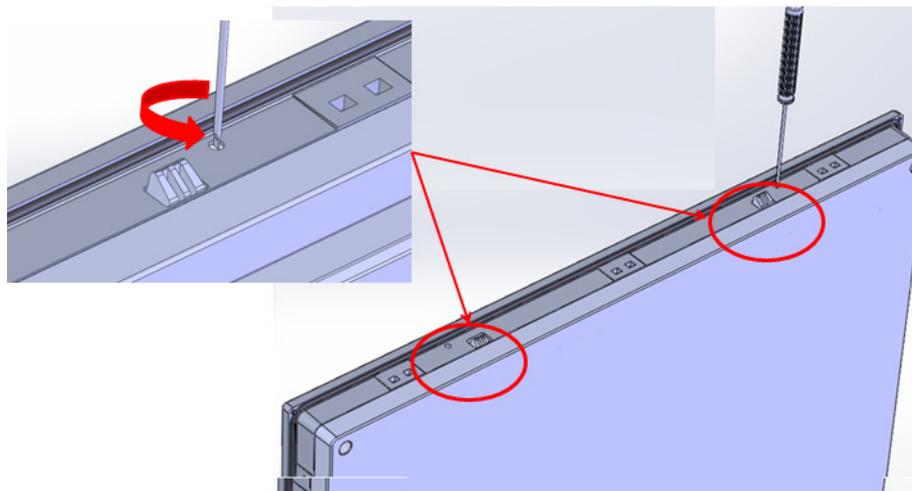


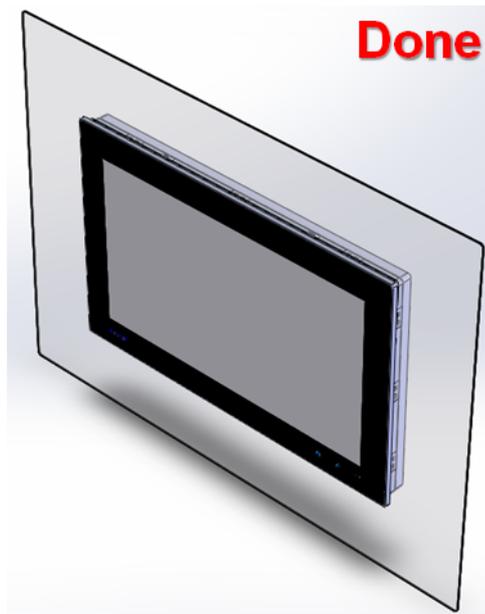
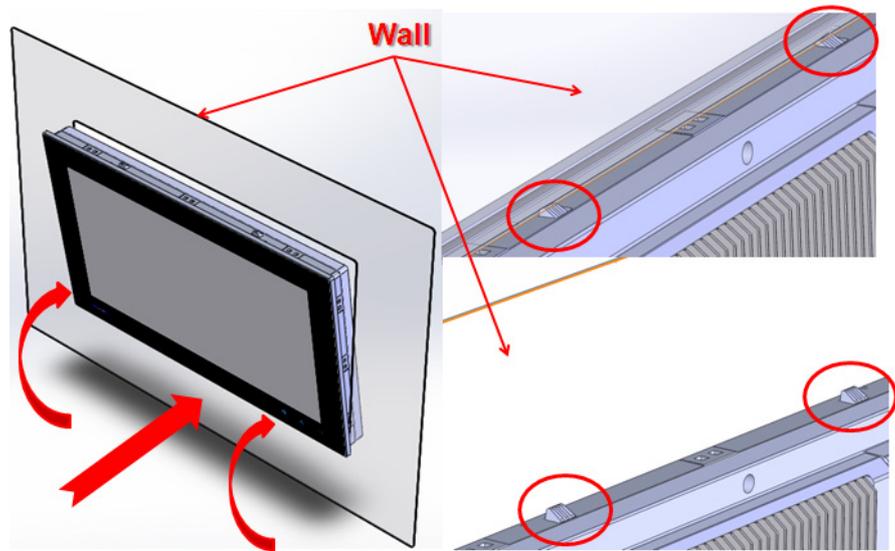
Figure 2.1 Wall Mounting

2.1.2 Panel Mounting

FPM-7151W can be mounted directly on a panel with additional mounting brackets.

1. Use a screwdriver to set up the snap hook on the upper side.
2. Unscrew the stopper screw on the bottom side.
3. Push the FPM-7151W into the panel and snap the hook to hold FPM-7151W in place.





2.1.3 VESA Mount for FPM-7151W

FPM-7151W has been designed with support for the VESA mount standard. Refer to figure 2.3. Supports 100mm VESA dimension. Please use M4 screws (Length 8mm to 10 mm).

Warning! Use suitable mounting apparatus to avoid risk of injury.



ATTENTION: Veuillez utiliser un système de montage approprié afin d'éviter tout risque de blessure.

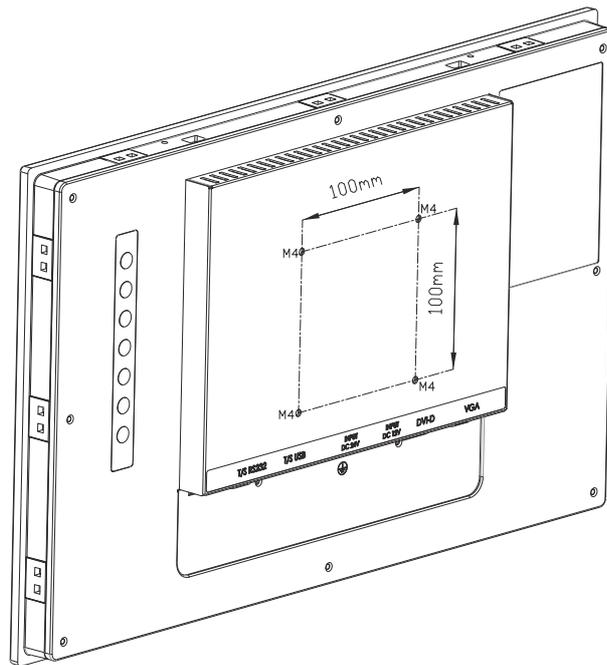


Figure 2.2 VESA Mount

Appendix **A**

OSD Operation
Keypad

A.1 OSD Board Overview

The OSD keypad, including six keys and a two colour indicator, is designed as the OSD operation interface.

Note! *This sheet is only for reference, different models will has different styles, but the functionality is the same.*



A.1.1 OSD Button Description

Table A.1: OSD Button Description

Power	Turn the monitor power ON or OFF.
Auto/Exit	Automatically adjust the clock, phase, H-position and V-position. Exit menu.
Down/Right/Increase	Increase the brightness. Move the selector to the next option. Increase the gauge value of the selected option.
Up/Left/Decrease	Decrease the brightness. Move the selector to the previous option. Decrease the gauge value of the selected option.
Menu/EI	Activate the OSD menu. Enter/confirm the selected option.
Source	Changes Input video source

A.1.2 LED Function

Table A.2: LED Function

ON	Blue
StandBy/OFF	Blue Blinking
No Signals	Orange

A.2 OSD Key Functions

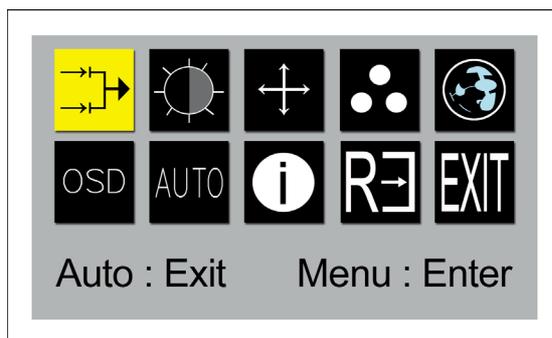
Each selected value is stored into LCD memory after SEL signal input or time out. The stored values are not affected if the power is turned off. But the selected value is not available in case a selected mode is changed before time out or power is turned off before time out. TIME OUT -> 5-6 seconds (Can be set in OSD Manager) The default definition of input keys is shown as following:

A.2.1 Menu Start

Generate Main Menu

Press MENU Button in OSD function key

- Main Menu -- DISPLAY IN SCREEN



- Sub-Menu – DISPLAY IN SCREEN
- N/A
- Available Key Functions

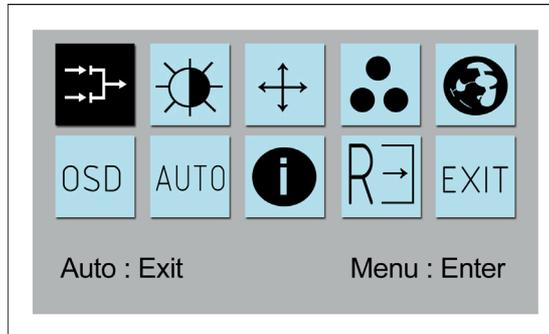
	Turn off (turn off back-light)		·Move the selector to the left ·Select the sub-menu
	Select to exit the menu or wait for time-out		·Confirm ·Enter the selected option.
	·Move the selector to the right ·Select the sub-menu		N/A

A.2.2 Input Source Select

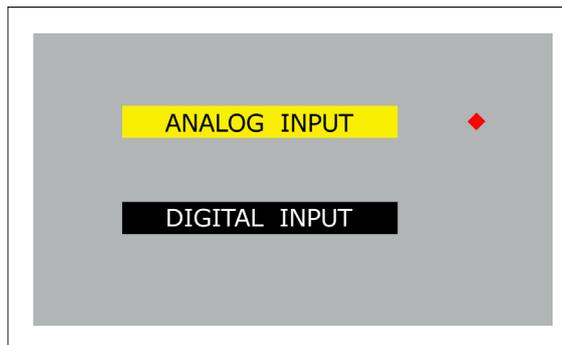
- Generate Main Menu

Select  by Left and Right Button, and then press Menu Button for selection confirmation.

- Main Menu -- DISPLAY IN SCREEN



- Sub-Menu – DISPLAY IN SCREEN



- Available Key Functions

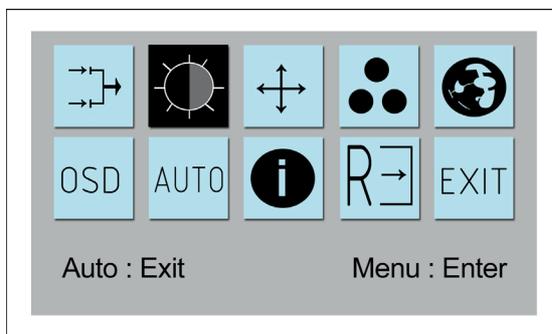
	Power Off the LCD Monitor		Select to move up/down
	Return to the previous menu		Select to confirm
	Select to move up/down		N/A

A.2.3 Contrast/Brightness Setting

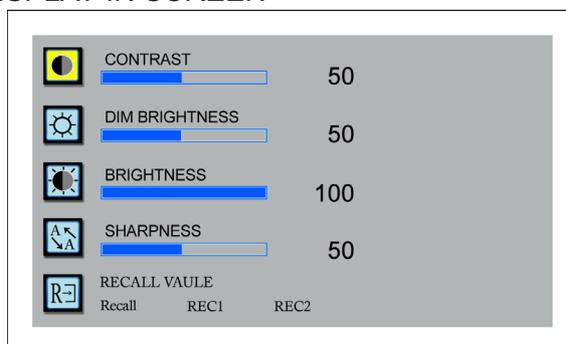
- Generate Main Menu

Select  by Left and Right Button, and then press Menu Button for selection confirmation.

- Main Menu -- DISPLAY IN SCREEN



- Sub-Menu – DISPLAY IN SCREEN



Note! *RECALL VALUE- Recall: go back to display default setting.*



RECALL VALUE- REC1: go to record 1 setting.

RECALL VALUE- REC2: go to record 2 setting.

- Available Key Functions



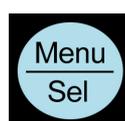
Power Off the LCD Monitor



·Select to move up/down
·Decrease the gauge value of the selected option



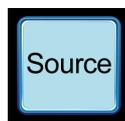
Return to the previous menu



Select to confirm



·Select to move up/down
·Increase the gauge value of the selected option



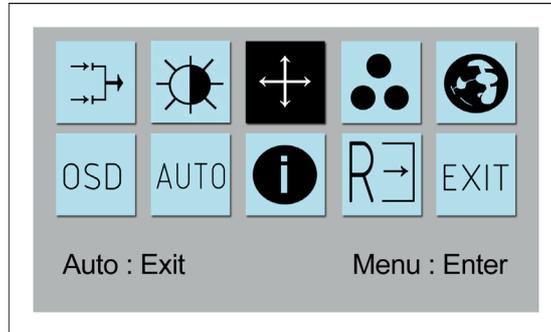
N/A

A.2.4 Geometry Menu – For DVI Input

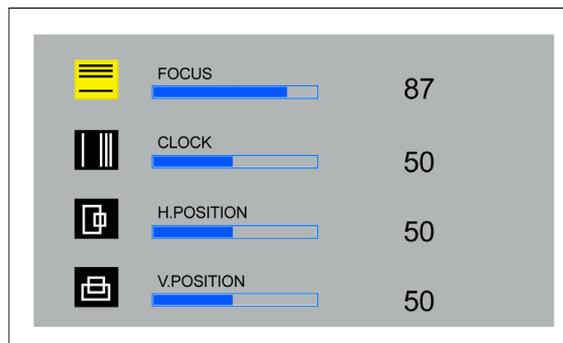
- Generate Main Menu

Select  by Left and Right Button, press Menu Button for selection confirmation.

- Main Menu -- DISPLAY IN SCREEN



- Sub-Menu – DISPLAY IN SCREEN



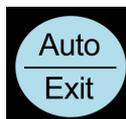
- Available Key Functions



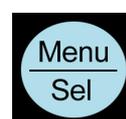
Power Off the LCD Monitor



·Select to move up/down
·Decrease the gauge value of the selected option



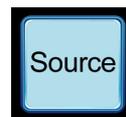
Return to the previous menu



Select to confirm



·Select to move up/down
·Increase the gauge value of the selected option



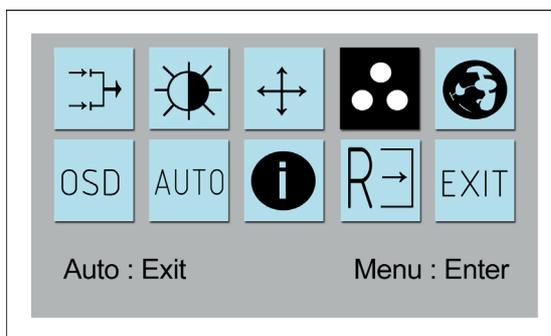
N/A

A.2.5 Colour Temperature Menu

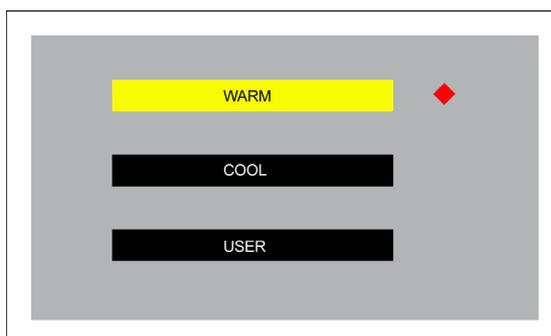
- Generate Main Menu

Select  by Left and Right Button, and then press Menu Button for selection confirmation.

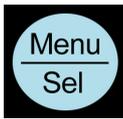
- Main Menu -- DISPLAY IN SCREEN



- Sub-Menu – DISPLAY IN SCREEN



- Available Key Functions

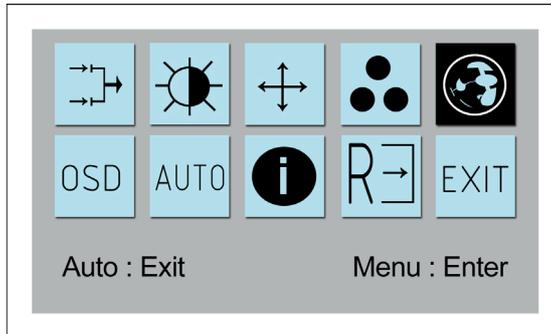
	Power Off the LCD Monitor		·Select to move up/down ·Decrease the gauge value of the selected option
	Return to the previous menu		Select to confirm
	·Select to move up/down ·Increase the gauge value of the selected option		N/A

A.2.6 Language Menu

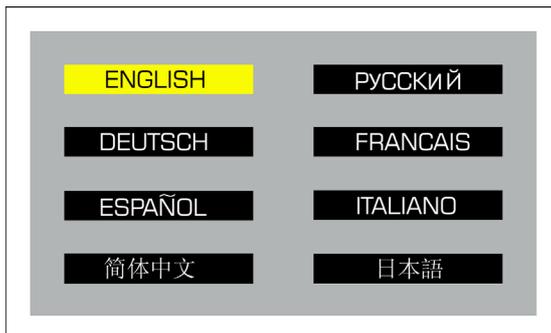
- Generate Main Menu

Select  by Left and Right Button, and then press Menu Button for selection confirmation.

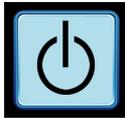
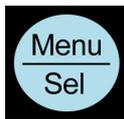
- Main Menu -- DISPLAY IN SCREEN



- Sub-Menu – DISPLAY IN SCREEN



- Available Key Functions

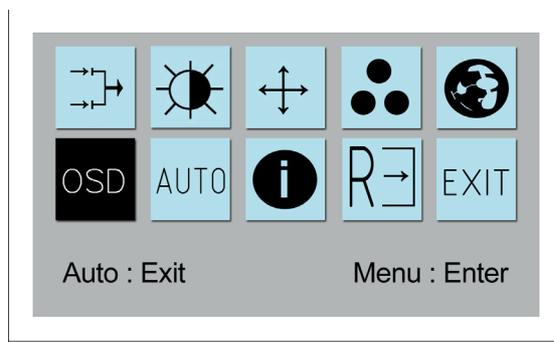
	Power Off the LCD Monitor		Move the selector to the left
	Return to the previous menu		Select to confirm
	Move the selector to the right		N/A

A.2.7 OSD Manager

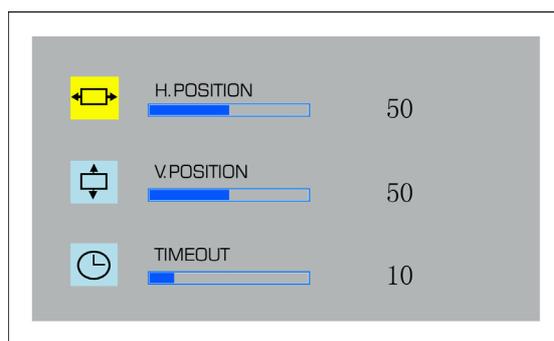
- Generate Main Menu

Select  by Left and Right Button, and then press Menu Button for selection confirmation.

- Main Menu -- DISPLAY IN SCREEN



- Sub-Menu – DISPLAY IN SCREEN



- Available Key Functions

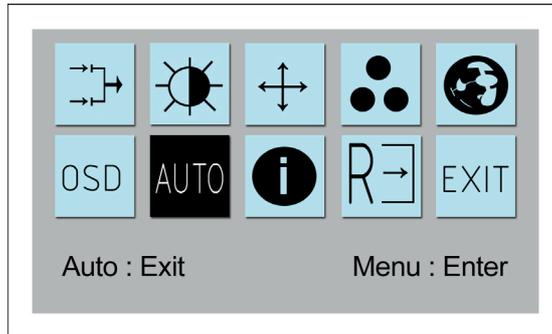
	Power Off the LCD Monitor		·Select to move up/down ·Decrease the gauge value of the selected option
	Return to the previous menu		Select to confirm
	·Select to move up/down ·Increase the gauge value of the selected option		N/A

A.2.8 Auto Configuration Menu

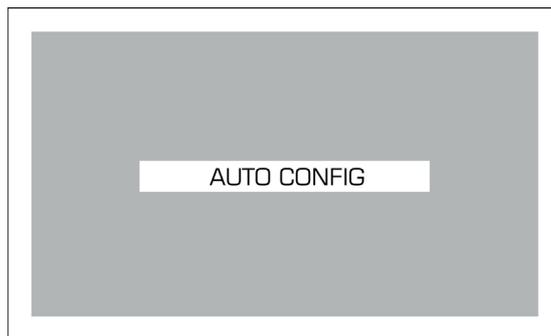
- Generate Main Menu

Select **AUTO** by Left and Right Button, and then press Menu Button for selection confirmation.

- Main Menu -- DISPLAY IN SCREEN



- Sub-Menu – DISPLAY IN SCREEN



- Available Key Functions

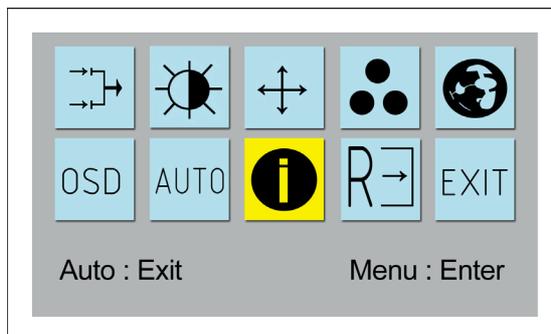
	Power Off the LCD Monitor		N/A
	Return to the previous menu		Select to confirm
	N/A		N/A

A.2.9 Mode Information Menu

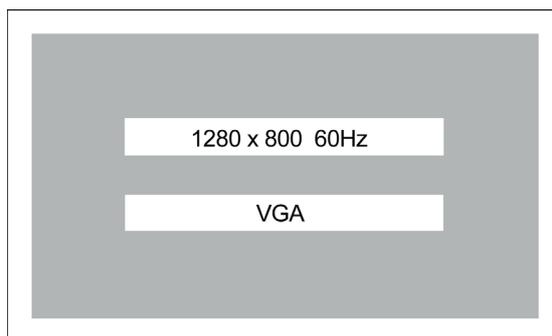
- Generate Main Menu

Select  by Left and Right Button, and then press Menu Button for selection confirmation.

- Main Menu -- DISPLAY IN SCREEN



- Sub-Menu – DISPLAY IN SCREEN



- Available Key Functions

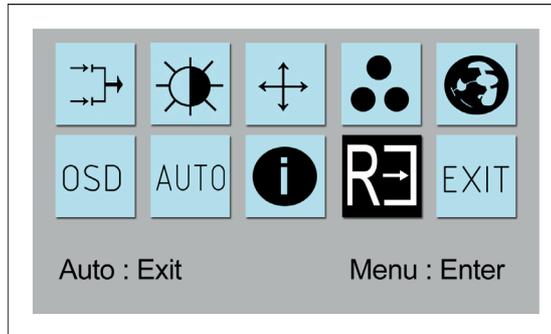
	Power Off the LCD Monitor		Move the selector to the left
	Return to the previous menu		Select to confirm
	Move the selector to the right		N/A

A.2.10 Memory Recall Menu

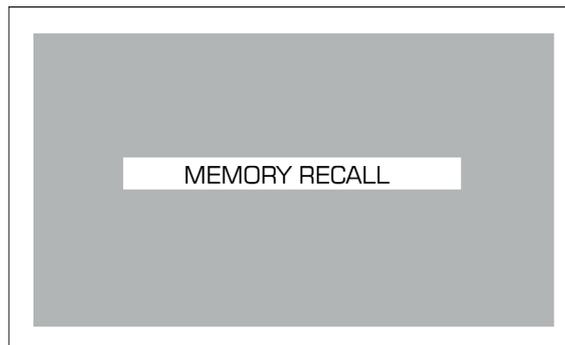
- Generate Main Menu

Select by Left and Right Button, , and then press Menu Button for selection confirmation.

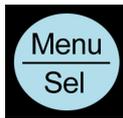
- Main Menu -- DISPLAY IN SCREEN



- Sub-Menu – DISPLAY IN SCREEN



- Available Key Functions

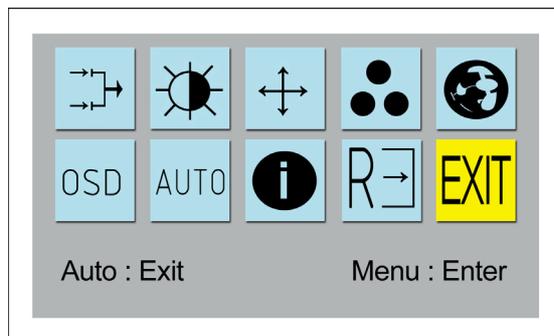
	N/A		N/A
	N/A		Select to confirm
	N/A		N/A

A.2.11 Exit Menu

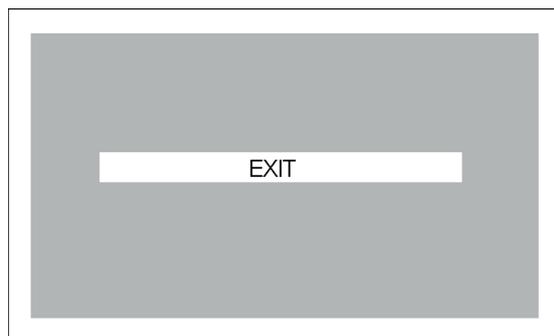
- Generate Main Menu

Select  by Left and Right Button, and then press Menu Button for selection confirmation.

- Main Menu -- DISPLAY IN SCREEN



- Sub-Menu – DISPLAY IN SCREEN



A.2.12 Hot Keys

OSD LOCK/UNLOCK

HOT KEYS

Press  first, and then press  for change this setting, Followed this sequence for the button press so that you can have OSD LOCK and UNLOCK setting

- Enter OSD LOCK MODE
 - Press HOT KEY, the screen will show this action first

DO OSD LOCK

- Don't remove HOT KEY until the screen indicated this task is finished.

OSD LOCK

- Enter OSD UNLOCK MODE
 - Press HOT KEY, the screen will show this action first

DO OSD UNLOCK

- Don't remove the HOT KEY until the screen indicated this task is finished.

OSD UNLOCK



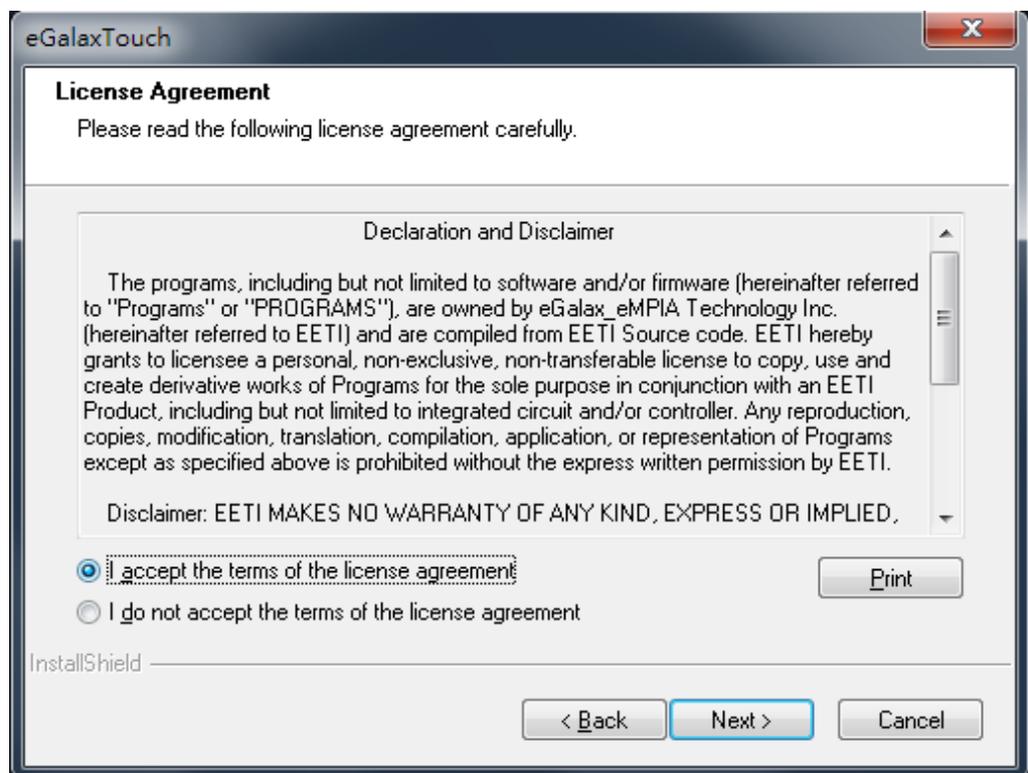
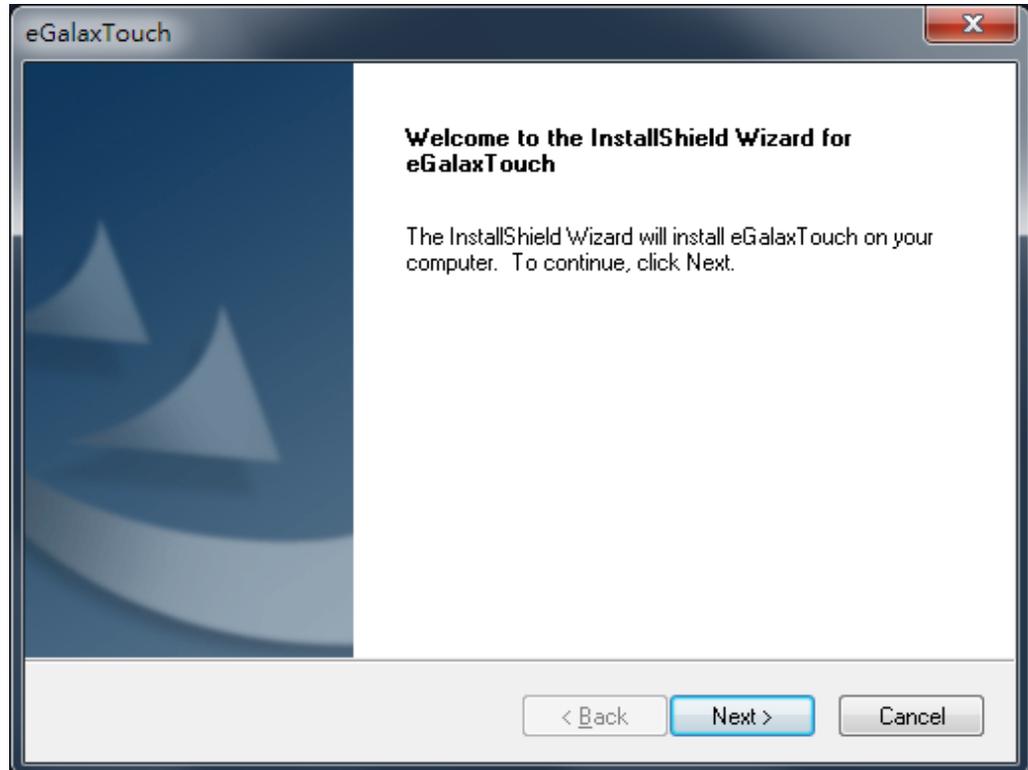
Appendix **B**

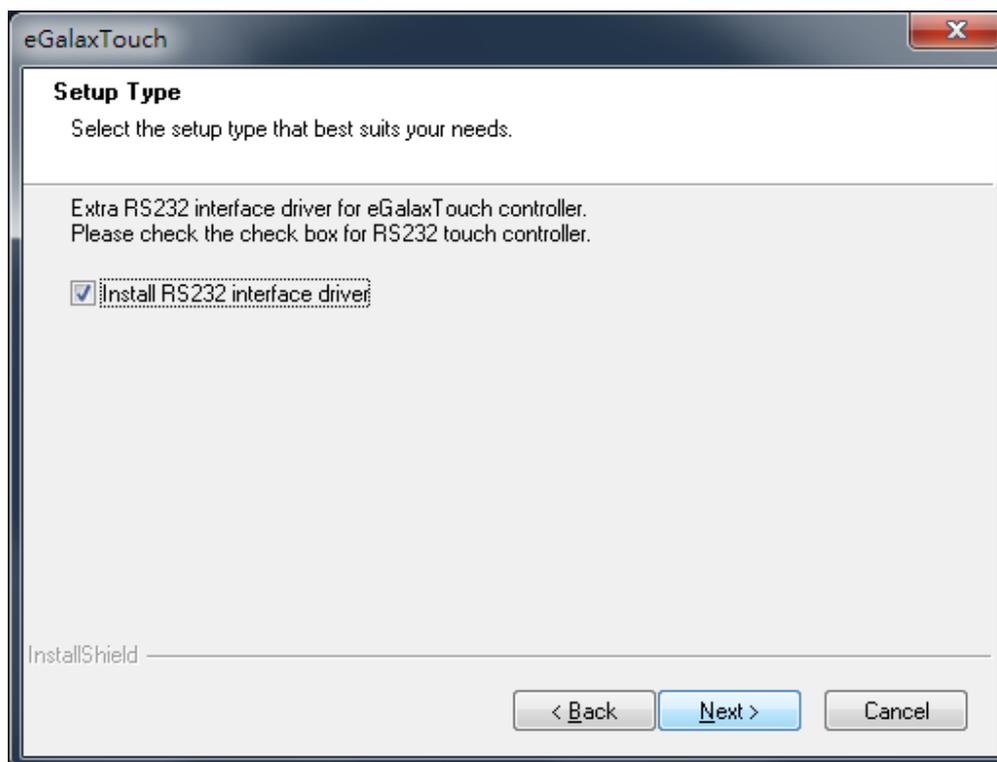
Touch Driver
Installation

B.1 Touch Driver Installation

CD Driver supports Windows XP, Windows Vista, Windows 7. For drivers for other operating systems refer to http://home.eeti.com.tw/web20/eg/Touch_Drives.html.

1. Install driver.

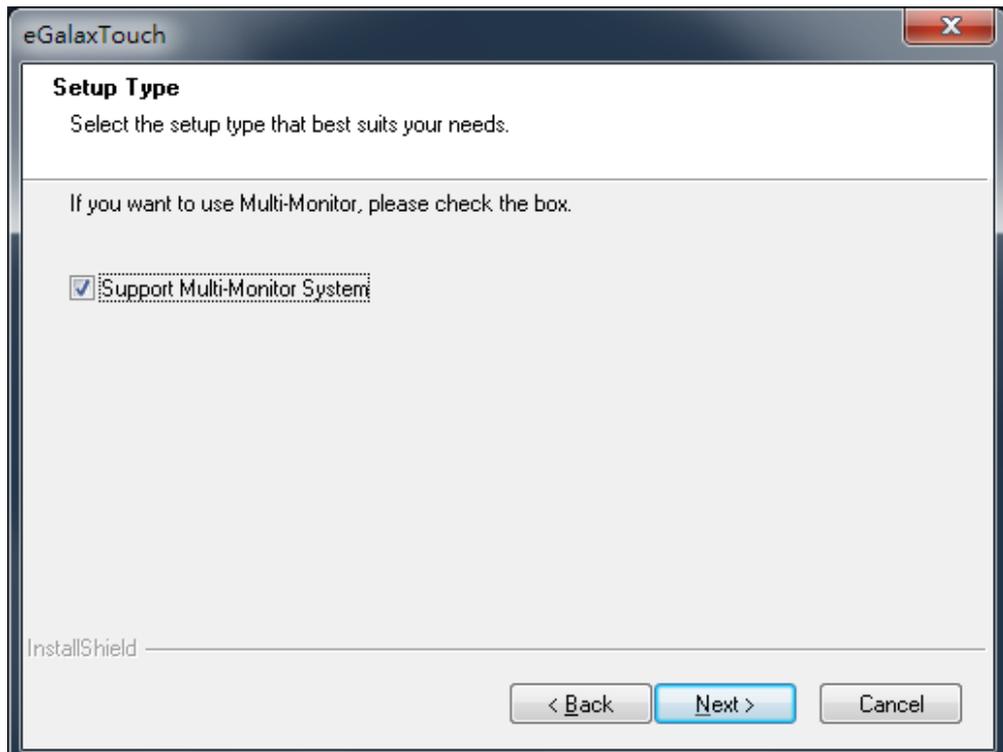




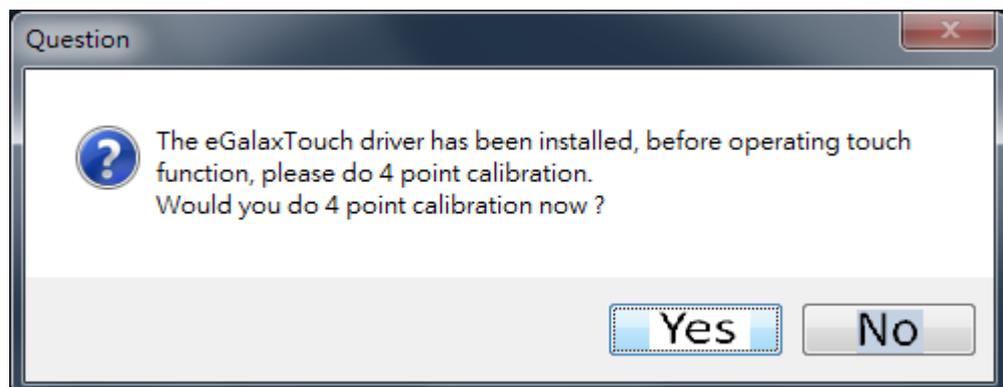
2. Select touch interface RS-232 or USB.



3. Select support Multi Monitor or not.



Note! *Touch can support multi touch(18.5" 4 point / 15.6" 5 point). Touch already do the default setting, please note that no need to do calibration.*



Appendix **C**

Setting Serial Data for
Expansion

C.1 Setting Serial Data for Expansion

The several kinds of timings below are already programmed in this module.
The input synchronous signals are automatically recognized.

Resolution	HSYNC /KHz (+/-)	VSYNC /Hz (+/-)	PIXEL RATE /MHz
IBM, 720 * 400	31.469	70.087	28.322
VESA 640 * 480	31.469	59.940	25.175
VESA 640 * 480	37.861	72.809	31.500
VESA 640 * 480	37.500	75.000	31.500
VESA 800 * 600	35.156	56.250	36.000
VESA 800 * 600	37.879	60.317	40.000
VESA 800 * 600	48.077	72.188	50.000
VESA 800 * 600	46.875	75.000	49.500
VESA 1024*768	48.363	60.004	65.000
VESA 1024*768	56.476	70.069	75.000
VESA 1024*768	60.023	75.029	78.750
VESA 1152*864	67.500	75.000	108.000
VESA 1280*720	45.000	60.000	74.250
VESA 1280*800	49.702	59.810	83.500
VESA 1280*1024	63.981	60.020	108.000
VESA 1280*1024	79.976	75.025	135.000
VESA 1366 * 768	47.712	59.790	85.500
VESA 1440 * 900	55.935	59.887	106.500
VESA 1680 * 1050	65.290	59.954	146.250
VESA 1920 * 1080	67.500	60.000	148.500

Note!  Even if the preset timing is entered, a little adjustment of the functions such as Horizontal period, CLK-delay and display position, are required. The adjusted values are memorized in every preset number.

Note!  This module recognizes the synchronous signals with near preset timing of the frequency of the HS and Vsync, even in the case that the signals other than the preset timing that were entered.

Note!  Because adjustments may not fit, such as differing magnifying ratios or, in the case that you use it except for the display timing that was preset. Recommend best resolution as 1920*1080.

www.advantech.com

Please verify specifications before quoting. This guide is intended for reference purposes only.

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