AXIOMTEK

P6103W

10.1" WXGA TFT Monitor

User's Manual

RoHS

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CAUTION

If you replace wrong batteries, it causes the danger of explosion. It is recommended by the manufacturer that you follow the manufacturer's instructions to only replace the same or equivalent type of battery, and dispose of used ones.

Safety Precautions

Before getting started, read the following important cautions.

1. Be sure to ground yourself to prevent static charge when installing the internal components. Use a grounding wrist strap and place all electronic components in any static-shielded devices. Most electronic components are sensitive to static electrical charge.

2. Disconnect the power cords from the P6103W Series before making any installation. Be sure both the system and the external devices are turned OFF. Sudden surge of power could ruin sensitive components. Make sure the P6103W Series is properly grounded.

3. Do not open the system's top cover. If opening the cover for maintenance is a must, only a trained technician is allowed to do so. Integrated circuits on computer boards are sensitive to static electricity. To avoid damaging chips from electrostatic discharge, observe the following precautions:

    ■   Before handling a board or integrated circuit, touch an unpainted portion of the system unit chassis for a few seconds. This will help to discharge any static electricity on your body.

    ■   When handling boards and components, wear a wrist-grounding strap, available from most electronic component stores.

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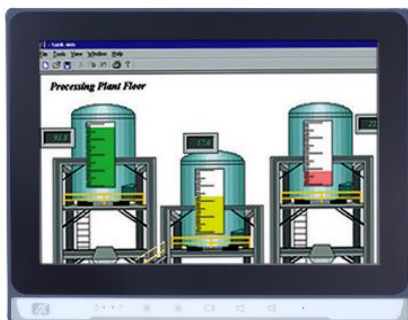
Table of Contents

Chapter 1
Introduction

This chapter contains general information and detailed specifications of the P6103W. Chapter 1 includes the following sections:

- **General Description**

- **Features**

- **Specifications**

- **Dimensions and Outlines**

- **I/O Outlets**

- **Package List**

1.1   General Description

The P6103W, an industrial 10.1 inches view area LCD Monitor comes with slim, light and reliable features to replace traditional bulky CRT for Industrial application. Its unique flat design is fit for panel mounting, VESA mounts and Wall mounting. The display interface offers DVI-D, HDMI and VGA for different input source from PC system or multimedia system that let you upgrade the display don't change anything from your system. Besides, for varied HMI field, you can choose one of PCT touch or glass interface to meet your application. In addition, this monitor has more comfort, safety, and environmental protection for humanized & health consideration those would be the benefit that users can get.

This LCD monitor builds in color active matrix thin-film-transistor (TFT) liquid crystal display to provide superior display performance. A maximum resolution of 1280 x 800 is ideal for displaying complex graphics and high definition images. Other outstanding designs that enhance this LCD monitor's performance are Plug & Play compatibility, and OSD (On Screen Display) controls, especially OSD, it made you ease adjustment on screen image.

1.2　　Features

- **High contrast color 10.1" WXGA TFT LCD display support resolution up to 1280 x 800**

- **Flat design with NEMA4/IP65-compliant**

- **Suits with projected capacitive touch or glass**

- **High Brightness and Ultra-wide viewing angle with anti-glare features.**

- **Power management system conforms to VESA DPMS standard**

- **Advanced OSD control for picture quality adjustment**

- **Supports VESA ARMs, Desktop Stand Rear, Panel and Wall mounting**
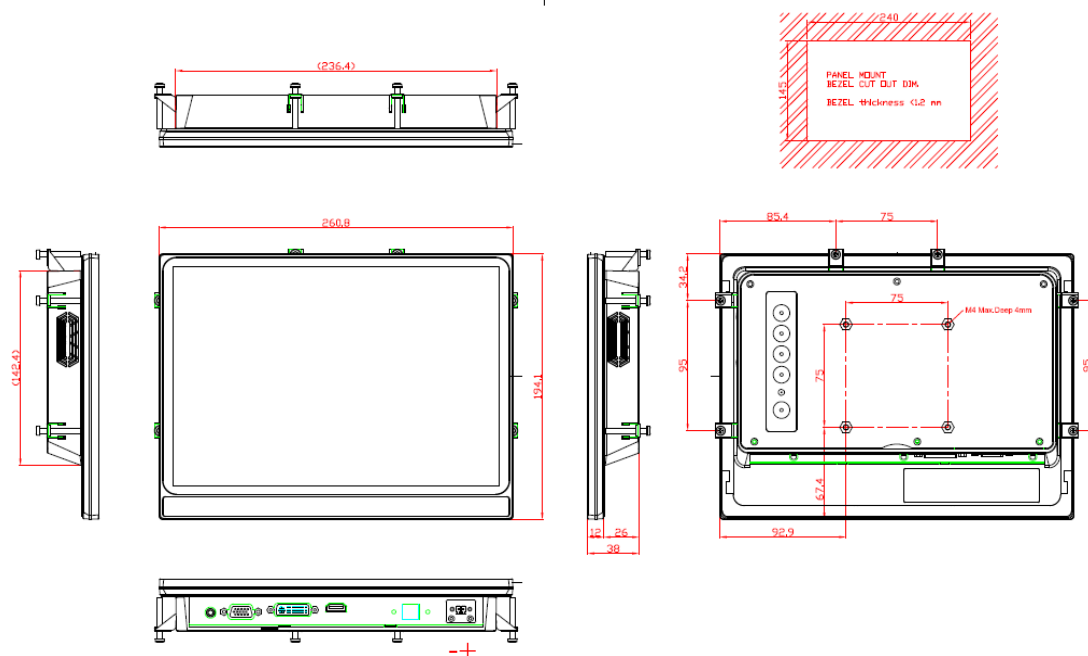
1.3　　Specifications

- **10.1" WXGA(1280x800) LCD with LED backlight**

- **Projective capacitive touch or glass**

- **Front bezel design with NEMA4/IP65**

- **Control: OSD (On Screen Display) control pad on the back of system**

- **Mounting: Support Panel mount, VESA arm mount and Wall mount (optional)**

- **Net Weight**
  - P6103W:1.036KG

- **Dimension (Main Body Size)**
  - P6103W: 260.8X194.1X38　mm

- **Operation Temperature**
  - 0℃ to 50℃

- **Relative Humidity**
  - 20% to 90% @ 40℃, Non-Condensing

- **Power input**
  - Screw-type external AC or 12V/24VDC-in
  - Max power consumption: 15W

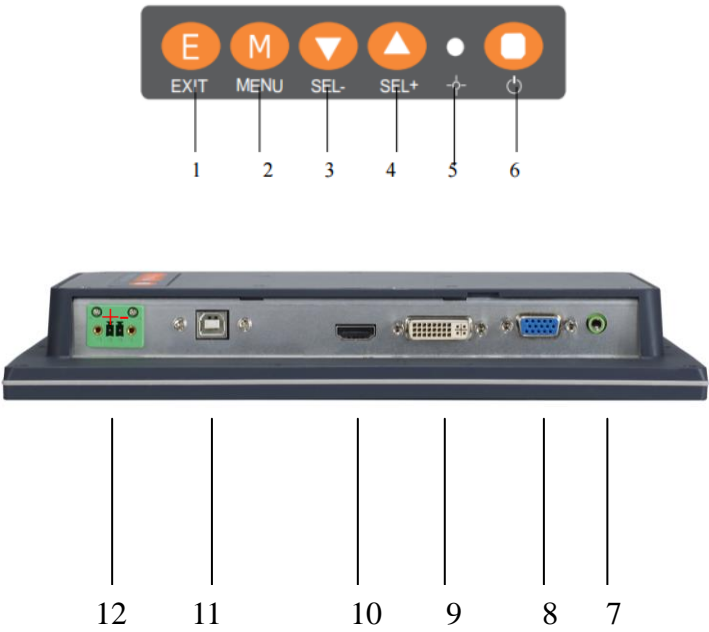*NOTE: All specifications and images are subject to change without notice.*

1.4   Dimensions and Outlines

The following diagrams show the dimensions and outlines of P6103W

1.5 I/O Outlets

Please refer to the following illustration for I/O locations of the P6103W.

No	Function	No	Function
1	Exit/Auto Adjust	7	Audio
2	Menu (Enter function)	8	VGA
3	SEL-	9	DVI-D
4	SEL+	10	HDMI
5	Power LED	11	USB for Touch
6	Power Switch	12	Screw type or Phoenix

1.6   Packing List

When you receive the P6103W, the bundled package should contain the following items:

- **P6103W unit x 1**
- **VGA cable x1**
- **Audio cable x1**
- **USB cable x1 (for PCT version only)**
- **Adaptor x1 (for AC version only)**
- **Panel mount kit x 8 (optional)**
- **HDMI cable x1 (optional)**
- **DVI cable x1 (optional)**
- **Wall mount bracket x1 (optional)**

If you can not find the package or any items are missing, please contact Axiomtek distributors immediately.
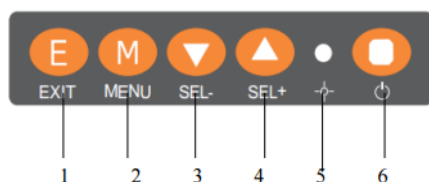
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Chapter 2
System Setup

This chapter details the system parts and components with figures. Sections include:

- **System Configuration**
- **Panel Mounting**
- **Wall Mounting**
- **VESA Mounting**

2.1   System Configuration
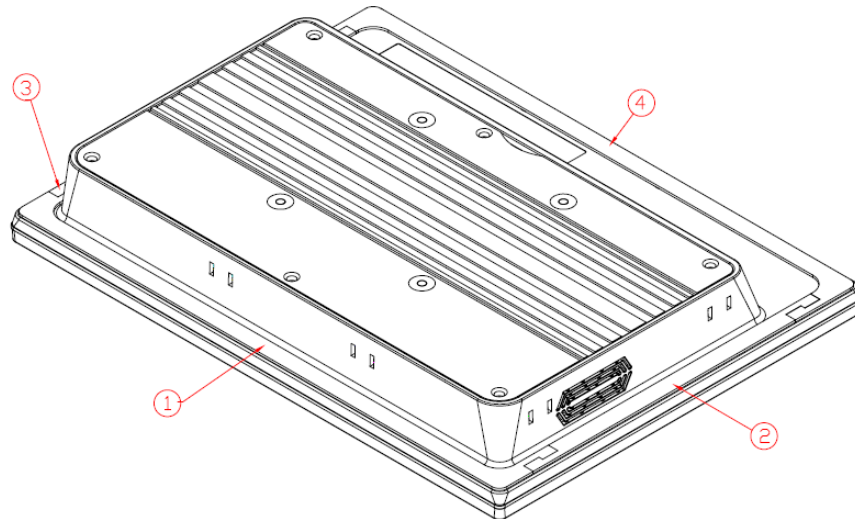
The figure below shows the side views of P6103W series.

1. **Exit:**

   Jump out the selection icon.

   Auto adjusts.

2. **Menu:**

   Press this button to turn on/off the OSD (On Screen Display) main menu.

   Press this button to activate selected items.

3. **SEL-:**

   To scroll down the menu.

   To decrease the value of selected item.

4. **SEL+:**

   To scroll up the menu.

   To increase the value of selected item.

5. **Power LED:**

   When the light is green, the power is on, red light when stand by.

6. **Power switch:**

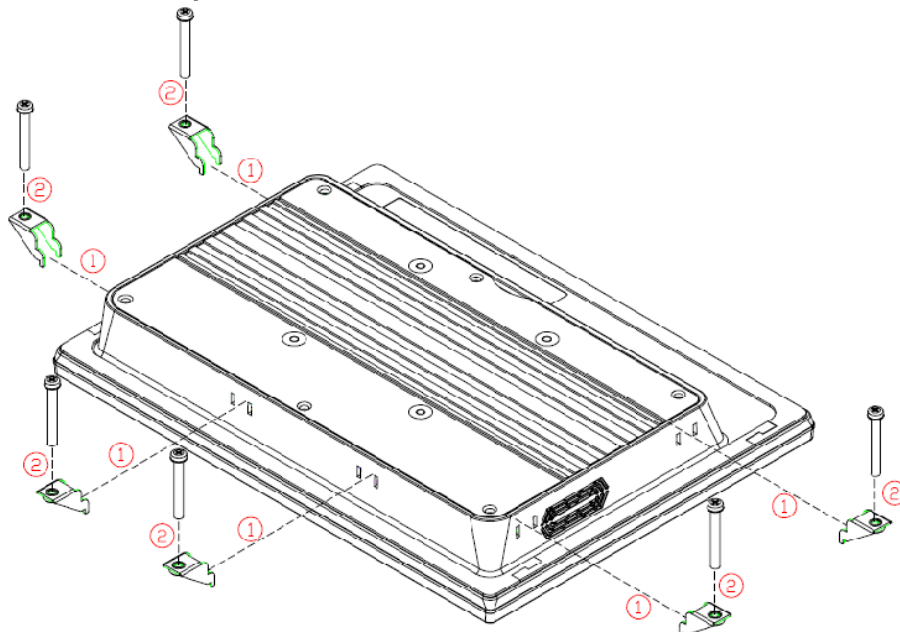   Press this button to turn on/off the monitor.

2.2 Panel Mounting

The P6103W is designed for panel mount application. To mount the P6103W, the standard set of mounting kit (included in the system packaging) is needed.

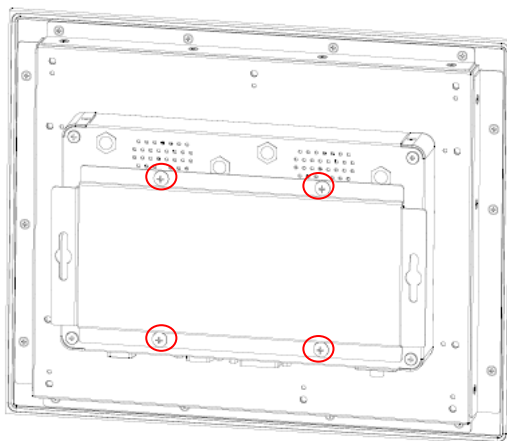**Step1 Sticks 4 sealing pads on the edges of chassis.**

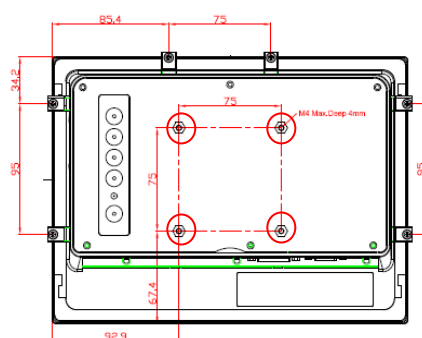**Step2 Assemble the panel kit to the chassis, and fix the screws.**

2.3   Wall Mounting

The P6103W provides VESA mount and wall mount. Screw four screws to fix the kit in the back chassis.
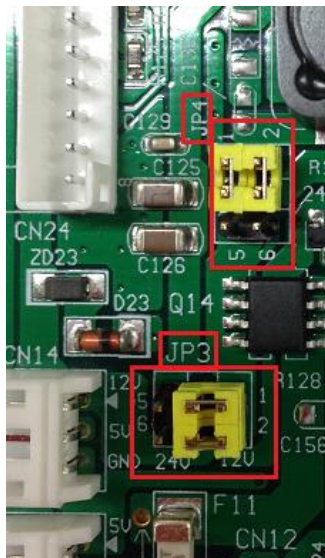

2.4   VESA Mounting

The P6103W provides VESA mount at the back of system. Screw four screws to fix the kit in the back chassis.
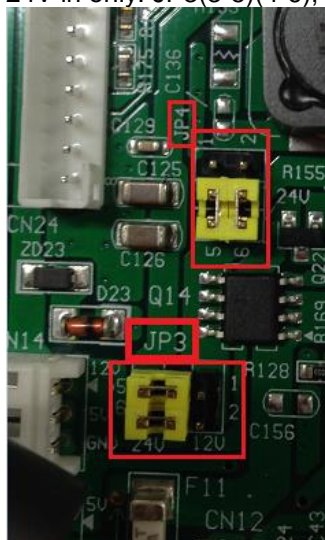
2.5   System Jumper Setting

12V DC IN

12V in only: JP3(1-3)(2-4), JP4(1-3)(2-4)

24V DC IN

24V in only: JP3(3-5)(4-6), JP4(3-5)(4-6)

Jumper	★ Default Setting	Jumper Setting
JP3	12V DC in (VINO-12V) (Default)	Short 1-3, Short 2-4
	24V DC in (VINO-12V)	Short 3-5, Short 4-6
JP4	12V DC in (Default)	Short 1-3, Short 2-4
	24V DC to 12V DC	Short 3-5, Short 4-6

Appendix A
Supported Input Timing Modes

Supported Input Timing Modes

Item	Description	Result		
		PASS	FAIL	N/A
1	VGA 640*350 @70Hz	●		
2	VGA 640*480 @60Hz	●		
3	VGA 640*480 @72Hz	●		
4	VGA 640*480 @75Hz	●		
5	VGA 720*400 @70Hz	●		
6	SVGA 800*600 @56Hz	●		
7	SVGA 800*600 @60Hz	●		
8	SVGA 800*600 @72Hz	●		
9	SVGA 800*600 @75Hz	●		
10	XGA 1024*768 @60Hz	●		
11	XGA 1024*768 @70Hz	●		
12	XGA 1024*768 @75Hz	●		
13	1280*720@50Hz	●		
14	1280*720@60Hz	●		
15	1280*768@60Hz	●		
16	1280*800@60Hz	●		

NOTE: *Timing depends on LCD Panel's requirement.*

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Appendix B
OSD Operation

Function Description of OSD Menu

※**The layout and format of OSD depends on customer's request.**

OSD MENU	Description
Luminance	Luminance： ● Brightness ● Contrast ● Sharpness
Picture	Picture ● Phase ● Clock ● H position ● V position
Color	Color: ● Color Temperature (6500,7500,9300,user define) ● Red ● Green ● Blue.
OSD	OSD Settings： ● Horizontal ● Vertical ● Transparency ● OSD Time out .
Setup	Setup: ● Language ● Volume ● Mute ● Input ● Reset

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