

# MarinMON19



## ADP-1XX4

15", 17", and 19" Steel Enclosure Industrial Display

## User Manual

**Release Date**

Oct. 2017

**Revision**

V1.0

# Revision History

Reversion	Date	Description
1.0	2017/10/06	Official Version

# Warning!

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

Electric Shock Hazard – Do not operate the machine with its back cover removed. There are dangerous high voltages inside.

## Packing List

Accessories (as ticked) included in this package are:
<input type="checkbox"/> Adaptor
<input type="checkbox"/> Driver & manual CD disc
<input type="checkbox"/> Other. _____ (please specify)

## Safety Precautions

Follow the messages below to prevent your systems from damage:

- ◆ Avoid your system from static electricity on all occasions.
- ◆ Prevent electric shock. Don't touch any components of this card when the card is power-on. Always disconnect power when the system is not in use.
- ◆ Disconnect power when you change any hardware devices. For instance, when you connect a jumper or install any cards, a surge of power may damage the electronic components or the whole system.

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# Chapter 1 Getting Started

## 1.1 Features

- 15", 17", and 19 steel enclosure industrial display
- IP65 compliant front bezel
- OSD at front side
- VESA mount 75 x 75
- Anti-reflection glass in front for protection (optional touch panel)
- Default AC 100~240V input, optional DC 11~32V input
- Default: VGA input, Optional: DVI, RCA, and S-Video input

## 1.2 Specifications

	ADP-1154	ADP-1174	ADP-1194
<b>IO Port</b>			
VGA	1		
Power	1 x 3-pin 11~32 V DC terminal block connector		
<b>OSD</b>			
OSD Control Membrane	OSD on the front side (default), OSD on the rear side (for option)		
<b>LCD</b>			
Display Type	15" color TFT LCD	17" color TFT LCD	19" color TFT LCD
Resolution	1024 x 768	1280 x 1024	1280 x 1024
Max. Colors	262K	16.7M	16.7M
Luminance (cd/m2)	420	350	350
Viewing Angle	160(H) / 160(V)	160(H) / 140(V)	170(H) / 160(V)
Contrast Ratio	800: 1	800: 1	1000: 1
Backlight Lifetime	30,000 hrs	50,000 hrs	50,000 hrs
<b>Power</b>			
Power Input	AC input / DC 11~32V for option		
Power Consumption	MAX: 12W	MAX: 14W	MAX: 17W
<b>Mechanical</b>			
Construction	Steel Chassis		
Mounting	Panel mount / VESA Mount 75 x 75 / Rack mount(option)		
Dimensions	409 x 309 x 64.7 mm	439 x 348 x 63 mm	467 x 379 x 73 mm
Net Weight	6.2 kg	6.9 kg	7.6 kg

<b>Environment Specifications</b>	
Operating Temperature	0 ~ 50 °C
Storage Temperature	-20 ~ 60 °C
Storage Humidity	10 ~ 90% @40°C Non-condensing, without touch screen
Certificate	CE/FCC Class A

# 1.3 Dimensions

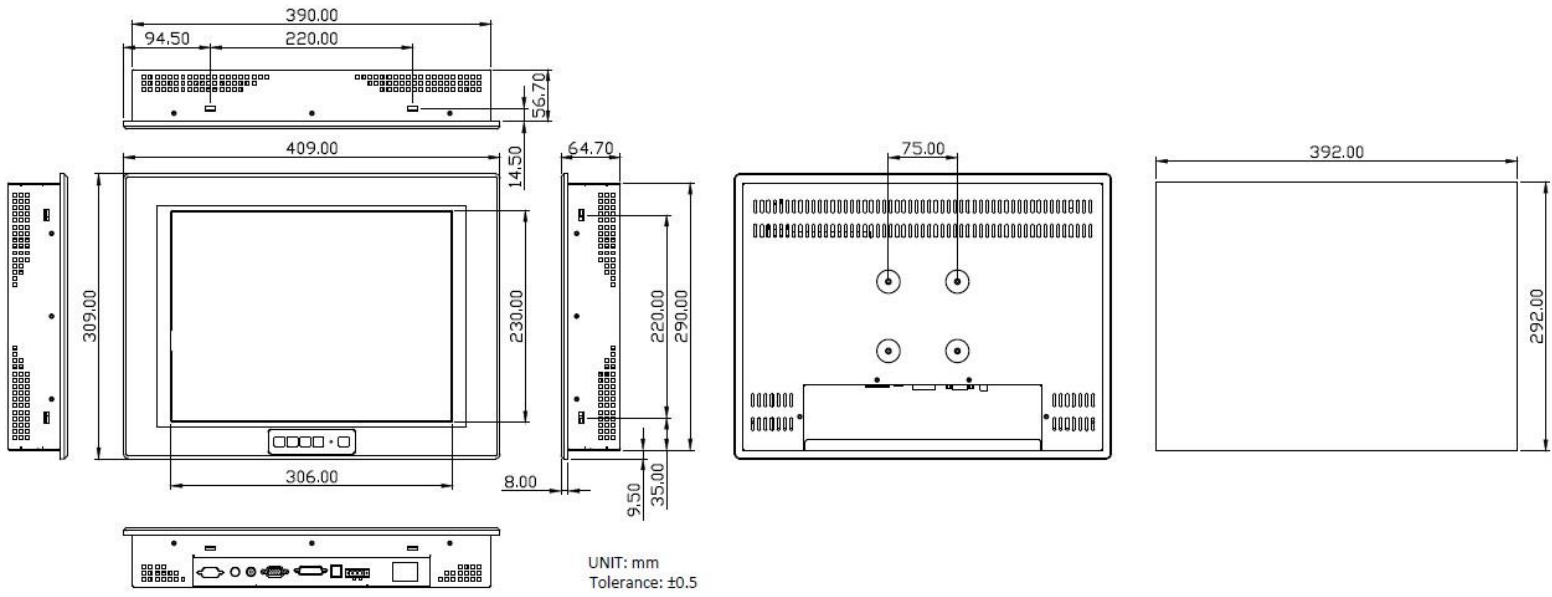


Figure 1.1: Dimensions of ADP-1154

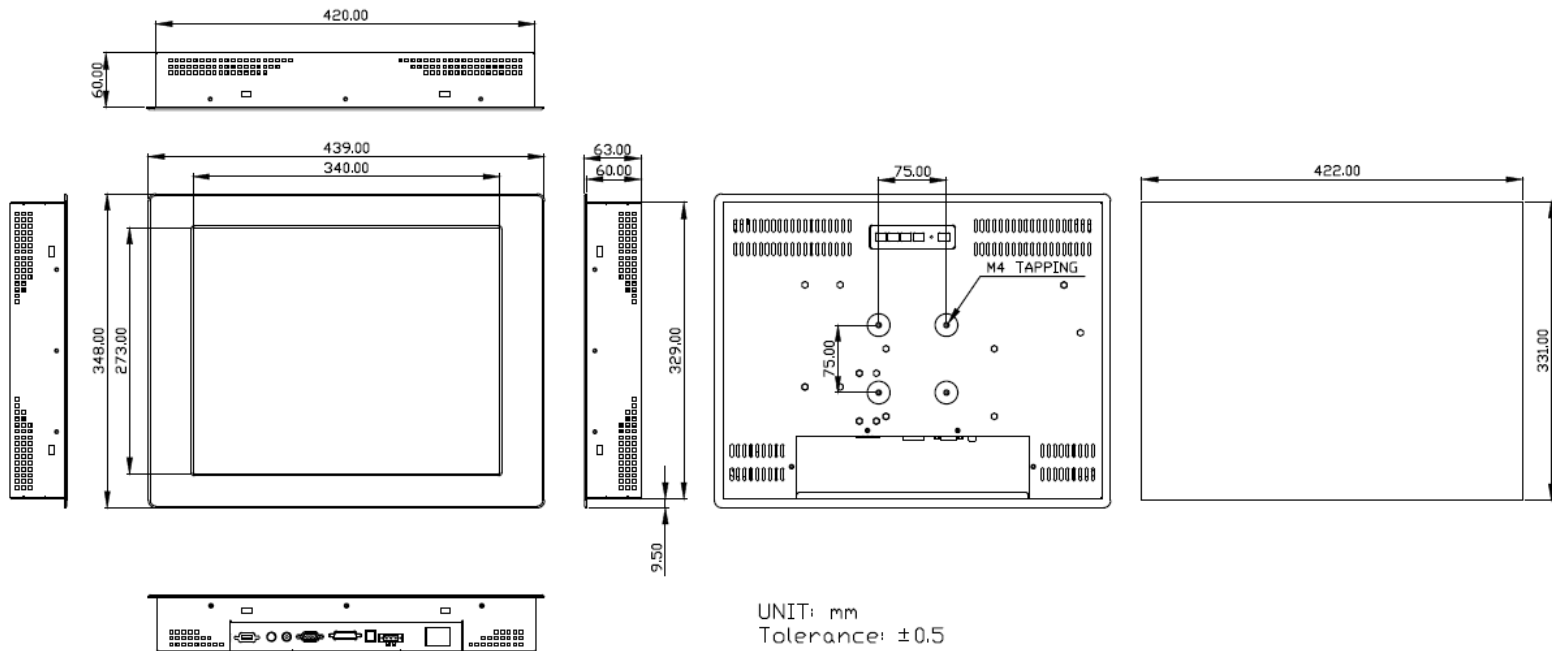
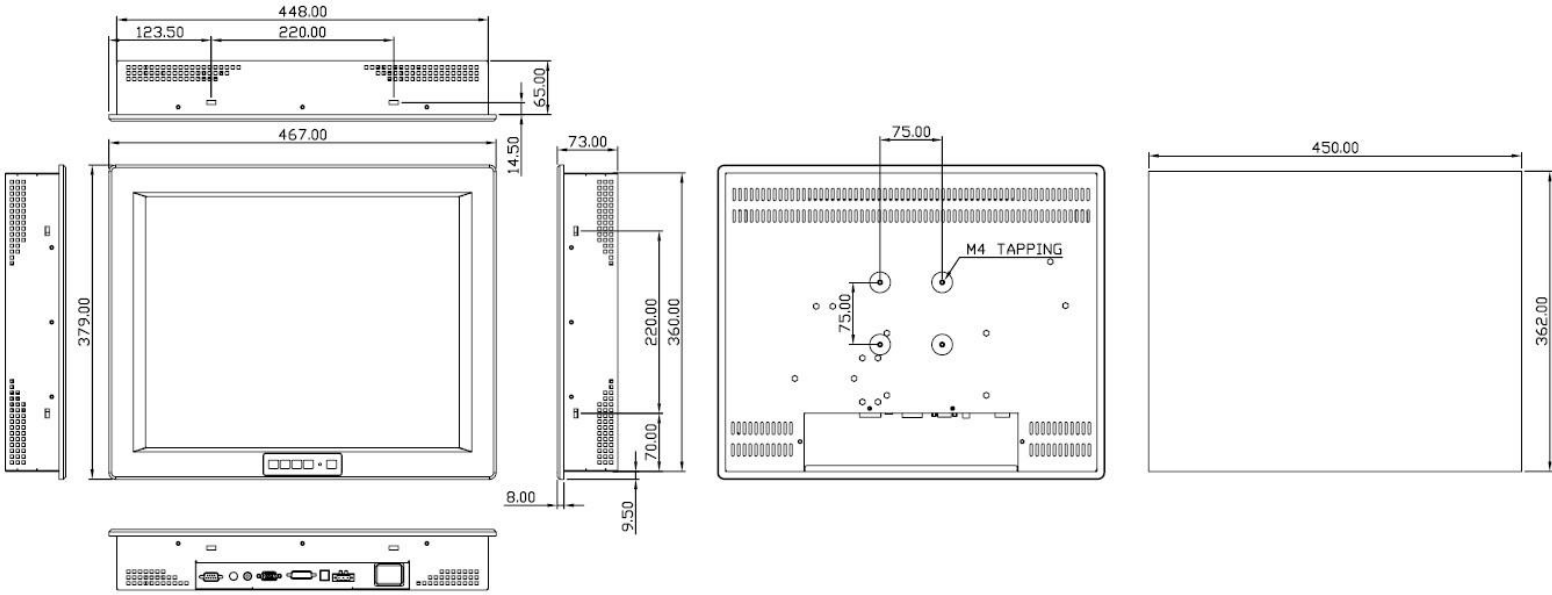


Figure 1.2: Dimensions of ADP-1174





**Figure 1.3: Dimensions of ADP-1194**

## 1.4 Brief Description of ADP-1XX4 Series

ADP-1XX4 are designed steel chassis display, which comes with 15", 17" and 19" color TFT LCD with 1024 x 768, and 1280 x 1024 resolution. ADP-1XX4 support multiple mounting such as panel mount, VESA 75 x 75 mount, and rack mount. These display come with 1 x VGA input, but can option to DVI, RCA, or S-Video signal. Also support AC power input, but can option wide-ranging DC 11~32V power input by custom requirement. The OSD control membrane is at the front side of the model. The model has more outstanding features, thus giving the best in monitoring and control application.

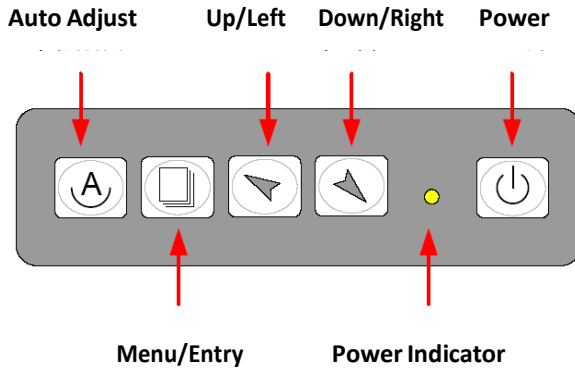



**Figure 1.4: Front View of ADP-1XX4 Series**





**Figure 1.5: Rear View of ADP-1XX4 Series**


## 2.1 AD Board OSD Functions




 Power switch: To turn ON or OFF the power



 Shift the icon to the right side or shift it up

 Shift the icon to the left side or shift it down



 Menu: To enter OSD menu for related icon and item.

 Auto Button: One-touch auto adjustment





### 1.) Getting into Burn-in Mode

Before setting into a burn-in mode, first disconnect the AC power cord. Then press (don't let them go) the   buttons until the AC power cord is connected and the "RGB" appears on the top left corner of your screen. Now it can be put into the burn-in mode for changing colors.

### 2.) Getting Out of Burn-in Mode










Before getting out of the burn-in mode, please first disconnect the AC power cord. Then press the  button (If not workable, press the  button and don't let them go) until the AC power cord is connected. Please don't let your fingers go until the AC power cord is connected again and the wording of "RGB" appears on the top left corner of your screen, and wait for 3 second. Under the non-signal entry situation, if **Cable Not Connected** is seen, exit is thus successfully made.

### When the Burn-in Mode is Unable to Eradicate...

- 1.) If the “RGB” is still on the top left corner of the screen, press  to enter “Miscellaneous” and choose “Reset”, and then **Yes**, and press . When the screen goes black, disconnect power and repeat the above steps.
- 2.) If the “RGB” is not found, disconnect the AC power cord first. Then press the   buttons (don't let them go) until the AC power cord is connected, and wait for 2 to 3 seconds. When “RGB” appears, repeat the above steps.

## 2.2 OSD Controls

To make any adjustment, select the following:

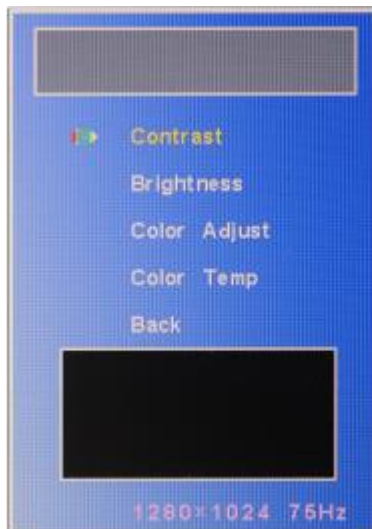
1. Press  (Menu) to show the OSD menu or disable the OSD menu.
2. Select the icon that you wish to adjust with the (  /  or +/-) key in the menu.
3. Press  (Menu) and then choose the item with the (  /  or +/-) key.
4. Press  (Menu) and then adjust the quality with the (  /  or +/-) key.

## 2.3 Main Menu



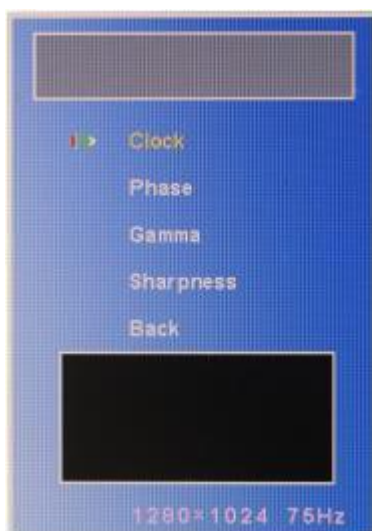
In the **Main** menu, there are the following items:

- Color
- Image Setting
- Position
- OSD Menu
- Language
- Misc.
- Exit



For **Color**, check out the following:

- Contrast
- Brightness
- Color Adjust
- Color Temp
- Back



For **Image setting**, check out the following:

- Clock
- Phase
- Gamma
- Sharpness
- Back



In the **Position**, there are the following:

- H. Position
- V. Position
- Back



In the **OSD** menu, there are:

- OSD H. Pos.
- OSD V. Pos.
- OSD Timer
- Back



In the **Language** menu, there are:

- English
- Frances
- Germany
- Spanish
- Traditional Chinese
- Simplified Chinese
- Japanese



In the **Misc** menu, there are:

- Signal Source
  - Select VGA: Analogue VGA Input
  - Select DVI: Digital DVI-D Input
  - Select AV: Composite Video Input
  - Select SV: S-Video Video Input
- Reset
- Back

## Appendix A:

## AD Board

### Board Image

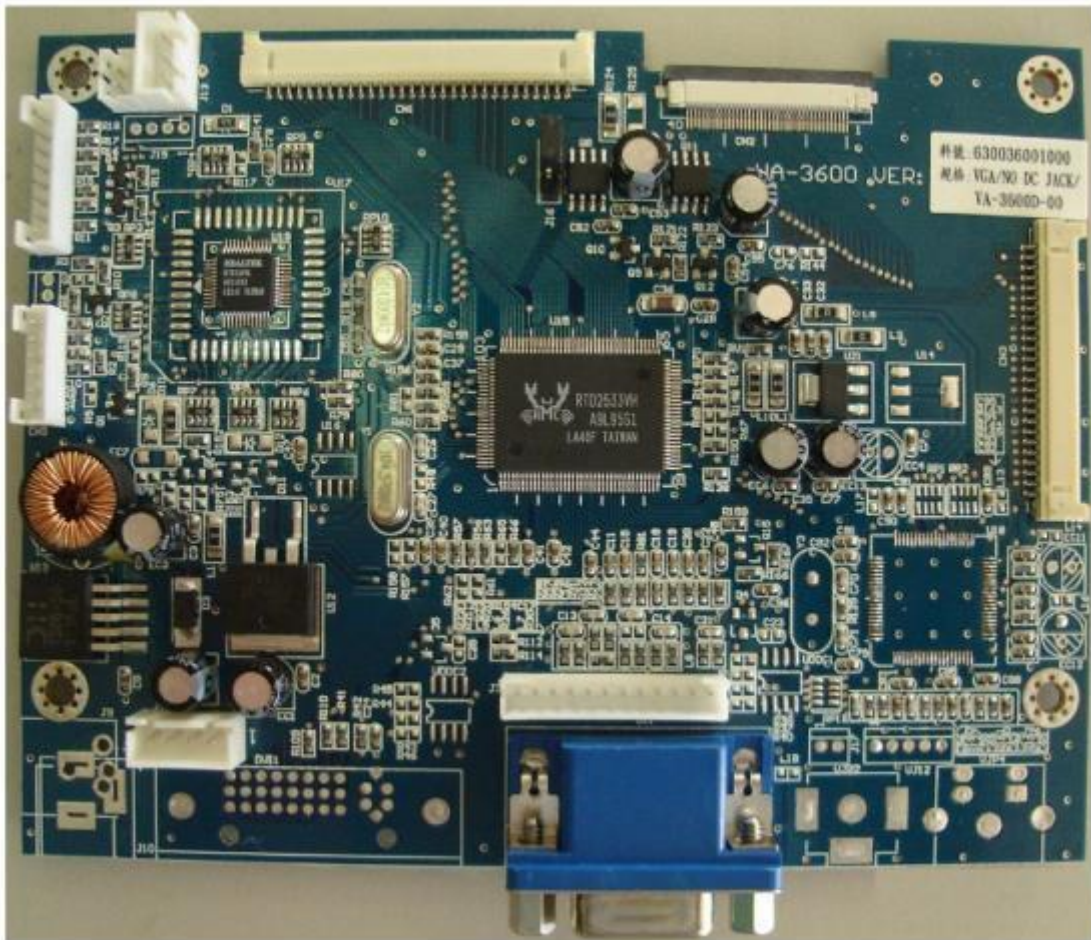
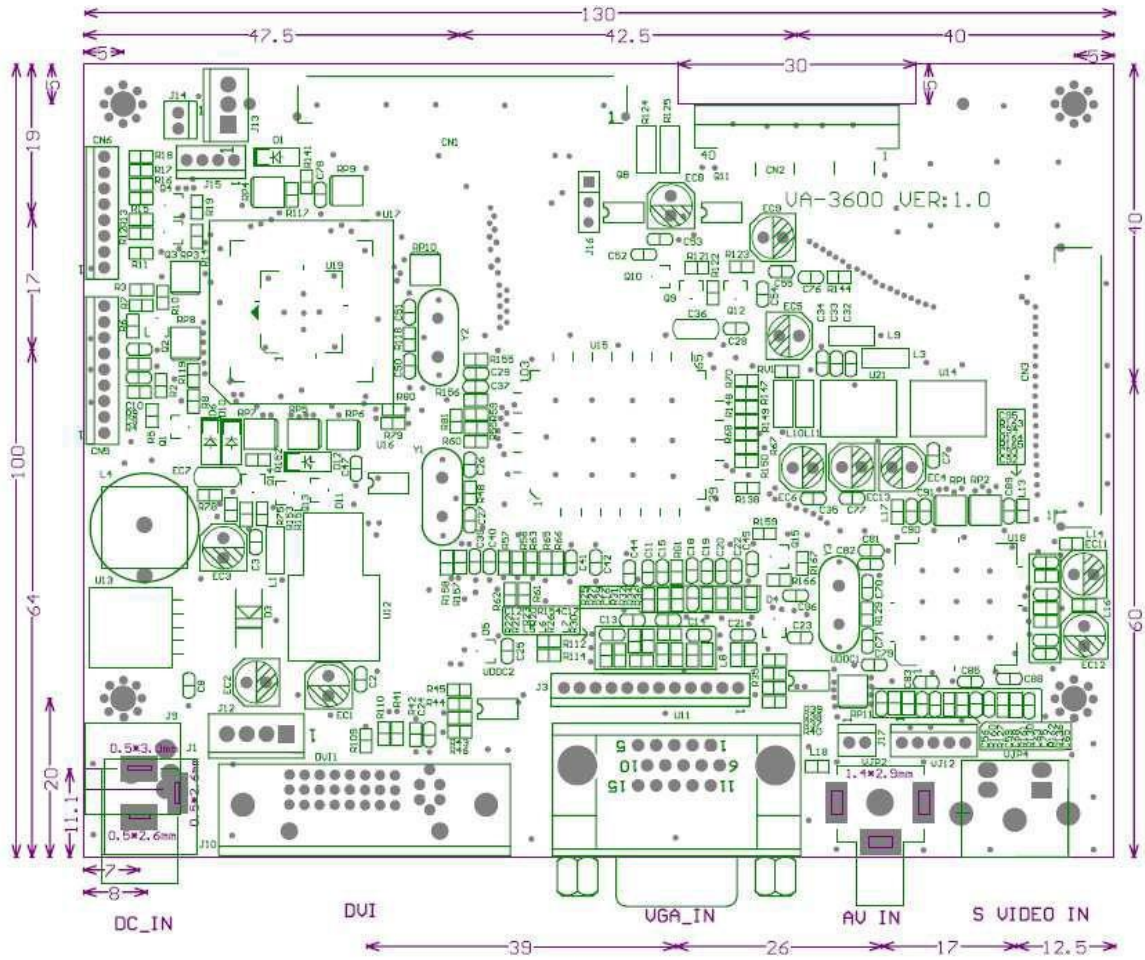


Figure A: Image of AD Board VA-3600D



# Board Dimensions



**Figure B: Dimensions of AD Board VA-3600D**

## Appendix B: Panel Mounting and VESA Mounting

The ADP-1XX4 is designed to be panel-mounted and VESA mounted as shown in Picture. Just carefully place the unit through the hole and tighten the given screws from the rear to secure the mounting.

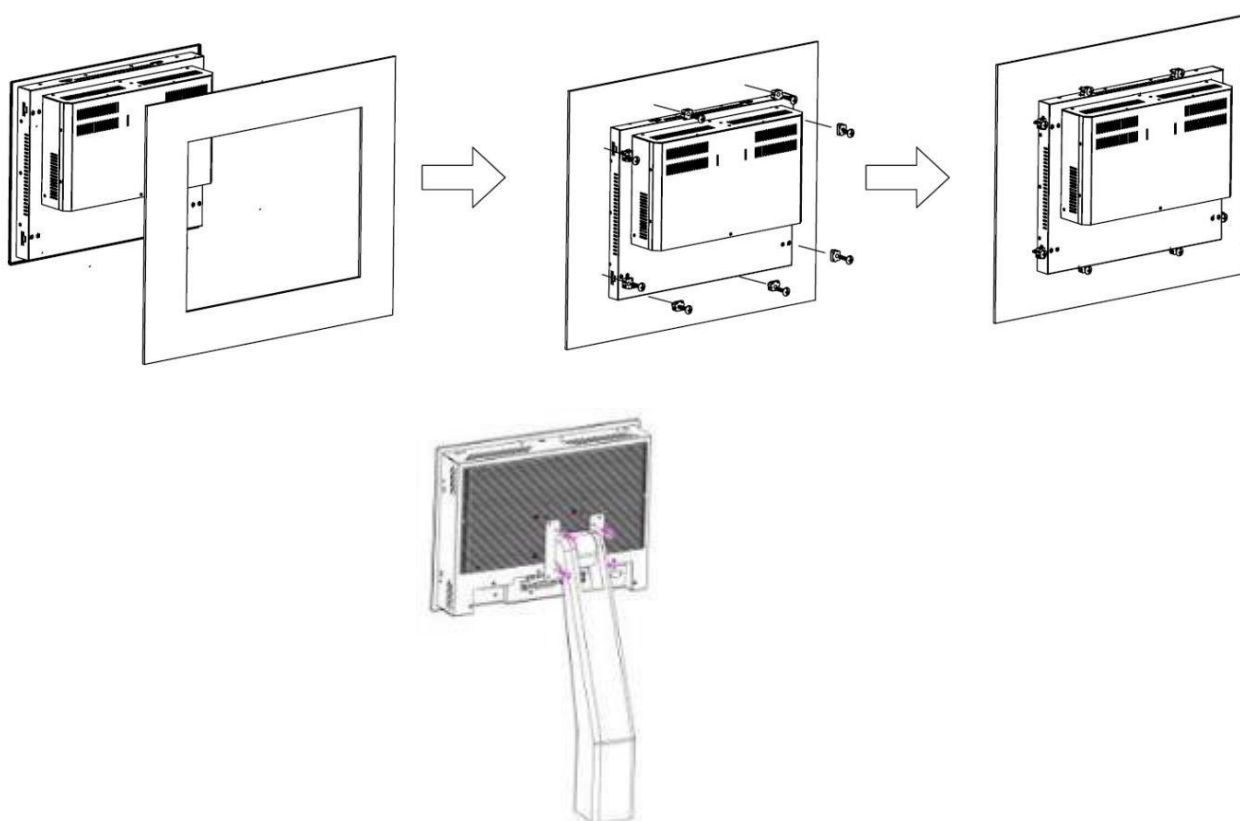


Figure C: Panel Mounting and VESA Mounting of ADP-1XX4



**Attention**

**\*Notice :**

Tighten the mounting clip screws by hand until the gasket seal contacts the mounting surface uniformly.

Tighten the mounting clips screws to a torque of 8 ~ 10 kgf-cm by using the specified sequence, making sure not to overtighten.