

# Industrial Computing

## Products and Services

Panel PC's



Industrial PC's



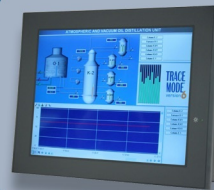
SBC's



Electronic Design



Industrial Displays



Embedding the future



### Why Choose DSL?

- ✓ Lifetime technical support
- ✓ Fully customisable products
- ✓ Product branding (bezel colours + company logos)
- ✓ Free pre-installation of OS and your software



### Our Services

- ✓ Electronic Design
- ✓ Production Management
- ✓ Assembly and test
- ✓ Bespoke BIOS creation



[sales@dsl-ltd.co.uk](mailto:sales@dsl-ltd.co.uk)

or call us on +44 (0)1462 675530





# ADP-1081A Display Monitor User Manual

**Release Date**

Apr 2011

**Revision**

V0.1

## Approved By

RD	PM	FAE

©2011 Aplex Technology, Inc.

All Rights Reserved.

Published in Taiwan

Aplex Technology, Inc.

15F-1, No.186, Jian Yi Road, Zhonghe District, New Taipei City 235, Taiwan

Tel: 886-2-82262881 Fax: 886-2-82262883 E-mail: [aplex@aplex.com.tw](mailto:aplex@aplex.com.tw) URL: [www.aplex.com.tw](http://www.aplex.com.tw)

ADP-1081A User Manual

# Warning!

---

This equipment generates, uses and can radiate radio frequency energy and if not installed and Used in accordance with the instructions manual 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 workstation with its back cover removed. There are dangerous high voltages inside.

## Disclaimer

**This information in this document is subject to change without notice. In no event shall Apex Technology Inc. be liable for damages of any kind, whether incidental or consequential, arising from either the use or misuse of information in this document or in any related materials.**

# Table of Contents

---

Warning!.....	2
Disclaimer.....	2

## **Chapter 1**

---

## **Getting Started**

1.1 Features.....	4
1.2 Specifications.....	4
1.3 Dimensions.....	5
1.4 Brief Description.....	6
1.5 Display Mode.....	7

## **Chapter 2**

---

## **OSD**

2.1 Rear Panel Controls.....	8
2.2 OSD Controls.....	8
2.3 Main Menu.....	9
2.4 AD Board OSD Functions.....	11

## **Figures**

---

Figure 1.1: Dimensions of ADP-1081A.....	5
Figure 1.2: Front View.....	6
Figure 1.3: Rear View.....	6
Figure A: VESA mounting.....	12

## **Appendix**

---

VESA mounting.....	12
--------------------	----

# Chapter 1

---

## 1.1 Features

- 8" TFT LCD Backlight with resolution of 800x600
- Plastic Housing
- Resistive touch screen (optional)
- Default VGA
- Optional for VGA,DVI and Audio line in, line out
- Default: DC 11~32V input

## 1.2 Specifications

### Display

- Display: 8" SVGA (800 x 600) color TFT LCD
- Maximum resolution: 800 (H) × 600(V)
- Maximum colors: 262K
- Luminance: 400cd/m<sup>2</sup>
- Viewing angle: 130/110 (H/V)
- Backlight life: 40,000 hrs.
- Touch screen: Resister Type
- Power Supply: TB-6025 11~32V

### Mechanical

- Construction: Plastic Housing / Black
- Front Panel IP65
- Mounting: VESA Mount 75x75mm
- Dimensions: 231x176x57 mm

### Environmental

- Operating temperature: 0 to 50°C
- Storage temperature: -20 to 60°C
- Relative humidity: 10 to 90% @40°C, non-condensing
- Vibration: 1G / 5 ~ 500Hz (Random) / Operation
- Shock: 15G peak acceleration (11 msec. duration)/operation
- EMC: CE, FCC Class A

# 1.3 Dimensions

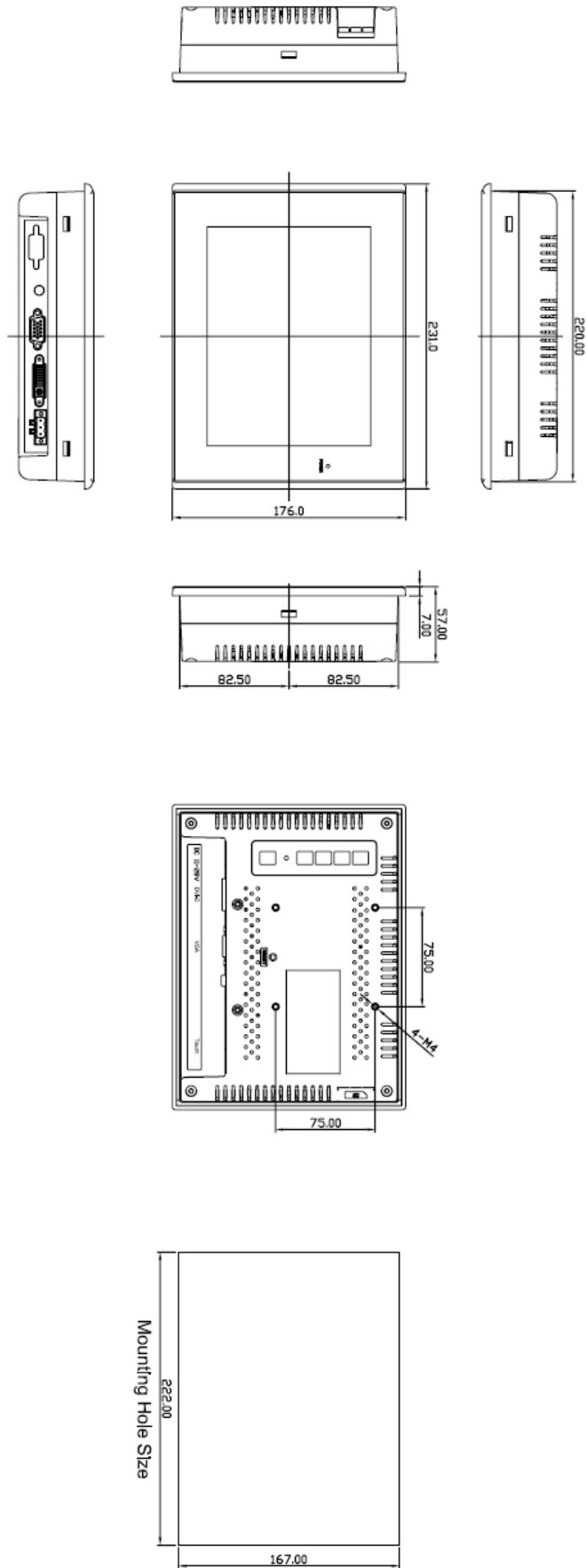


Figure 1.1: Dimensions of the ADP-1081A

## 1.4 Brief Description of the ADP-1081A

ADP-1081A is an 8-inch color TFT Industrial display monitor with fanless design. It comes with an overlay resistive touch screen that is easy to use and maintain. It's working temperature is 0~50°C, and has well anti-vibration, dirt and dust abilities. The front panel of the display monitor is sealed with gasket for IP 65 has rating when it is VESA mount. The VGA connector and wide range DC 12~32 V power input is standard, DVI-D connector and DC 12V input are for option. There is also a five button OSD keypad on the rear side.



**Figure 1.2: Front View of the ADP-1081A**



**Figure 1.3: Rear View of the ADP-1081A**

## 1.5 Display Mode


Display Mode		Hori. Sync (KHz)	Vert. Sync. (Hz)
VGA 640 x 480		31	60
		38	72
		38	75
SVGA 800 x 600		35	56
		38	60
		48	72
		47	75
XGA 1024 x 768		48	60
		56	70
		60	75
SXGA	1152 x 864	68	75
	1280 x 1024	64	60
		80	75




# Chapter 2

---


## 2.1 Rear Panel Controls

 Power switch: To turn ON or OFF the power

 Shift the icon to the left side or shift it up










 Shift the icon to the right side or shift it down

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

 Auto Button: One-touch auto adjustment

## 2.2 OSD Controls

To make any adjustment, select the following:

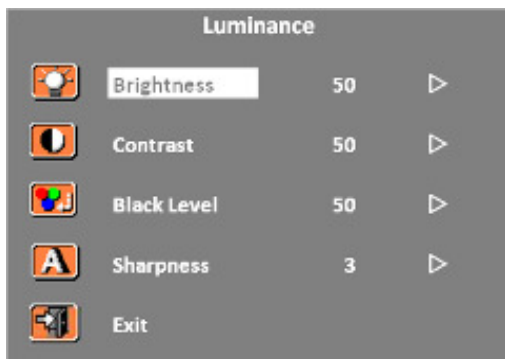
1. Press  (Menu) to show the OSD menu or disable the OSD menu.
2. Select the icon that you wish to adjust with the (/ or +/-) key in the menu.
3. Press  (Menu) and then choose the item with the (/ or +/-) key.
4. Press  (Menu) and then adjust the quality with the (/ or +/-) key.

## 2.3 Main Menu



In the **Main Menu**, the following items:

- Auto Adjust
- Luminance
- Management
- Color
- Volume
- OSD
- Language
- Recall
- Information
- Exit



**1: Luminance**, the following items:

- Brightness
- Contrast
- Black Level
- Sharpness
- Exit



**2: Management**, the following items:

- H. Position
- V. Position
- Pixel Clock
- Phase
- Exit



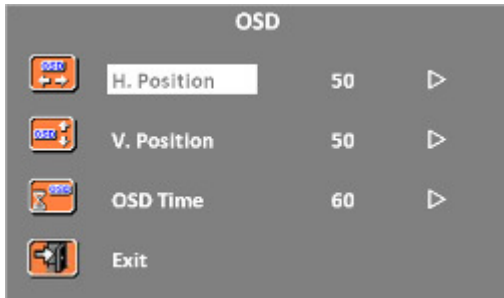
**3: Color**, the following items:

- 9300
- 6500
- sRGB
- User Preset
- Exit



**4: For Color, User Preset:**

- Red
- Green
- Blue
- Exit



**5: OSD, the following items:**

- H. Position
- V. Position
- OSD Time
- Exit



**6: Language, the following items:**

- English
- Spanish
- French
- Japanese
- German
- Traditional Chinese
- Italy
- Simplified Chinese



**7: Recall, the following items:**

- Recall Color
- Recall All
- Exit





**8: Information, the following items:**



- Aspect Ratio
- Display Information
- Exit

## 2.4 AD Board OSD Functions





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

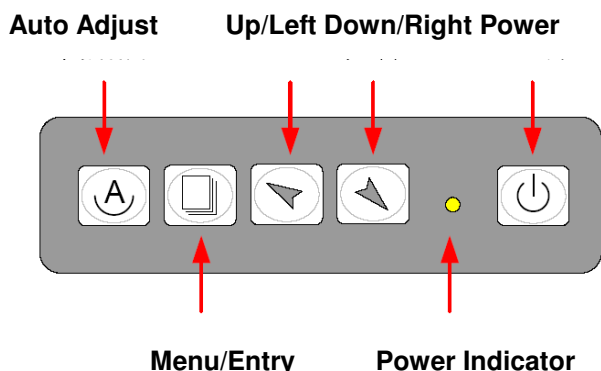
Before setting into a burn-in mode, first disconnect the AC power cord. Then press (don't let them go) the   buttons until the AC power cord is connected and the "RGB" appears on the top left corner of your screen. Now it can be put into the burn-in mode for changing colors.

### 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.
- 3.) Functions of OSD Keys

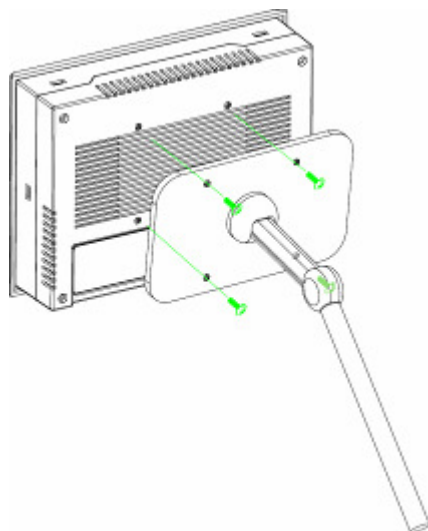


# Appendix

---

## VESA 75 Mounting

The ADP-1081A display monitor is designed to be panel-mounted as shown in Figure A. Just carefully mount the arm onto the rear of the unit by fastening the given four screws as shown in Figure A.



**Figure A: VESA-mounting of the ADP-1081A**