ADP-1080 Display Monitor
User Manual

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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 interence 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.

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Chapter 1

1.1 Features

- 8” color active TFT LCD display
- Plastic housing and sealed touch screen
- NEMA 4/12 IP65-certified front panel
- OSD Control
- 12V DC @0.9A

1.2 Specifications

Display

- Display: 8” SVGA color TFT LCD display
- Maximum resolution: 800 x 600 (native mode)
- Maximum colors: 256K
- Luminance: 400 cd/m²
- Viewing angle: 130˚(H), 100˚(V)
- Backlight life: 40,000 hours
- OSD controls/indicators: automatic screen, setup (OSD), brightness, contrast, horizontal/vertical position, image lock, color balance, video information, power on and sync detection
- Touch screen: resistive antiglare
- OS compatibility: Win 95/98, XP, 2000, NT4.0, QNX, Linux
- Power Supply: 12V DC @0.9A

Mechanical

- Construction: plastic housing and sealed touch screen
- NEMA 4/12 IP65-certified front panel
- Mounting: panel mount/VESA 75 mount
- Dimensions: 230(W) x 175(H) x 55mm (D)
- Cutout Dimensions: 222(W) x 167mm (H)
- Gross Weight:

Environmental

- Operating temperature: 0 to 50℃ (32 to 122°F)
- Storage temperature: -20 to 60℃ (-4 to 140°F)
- Relative humidity: 10 to 90% @40℃, non-condensing without touch screen
- Vibration: 1G peak, 5~500Hz (at random)
- Shock: 15G peak acceleration (11 msec.duration)
- EMC: CE, FCC Class A

Ordering Information

ADP-1080	8” industrial display monitor (plastic bezel)
ADP-1080T	8” industrial display monitor with sealed touch screen (plastic bezel)

1.3 Dimensions

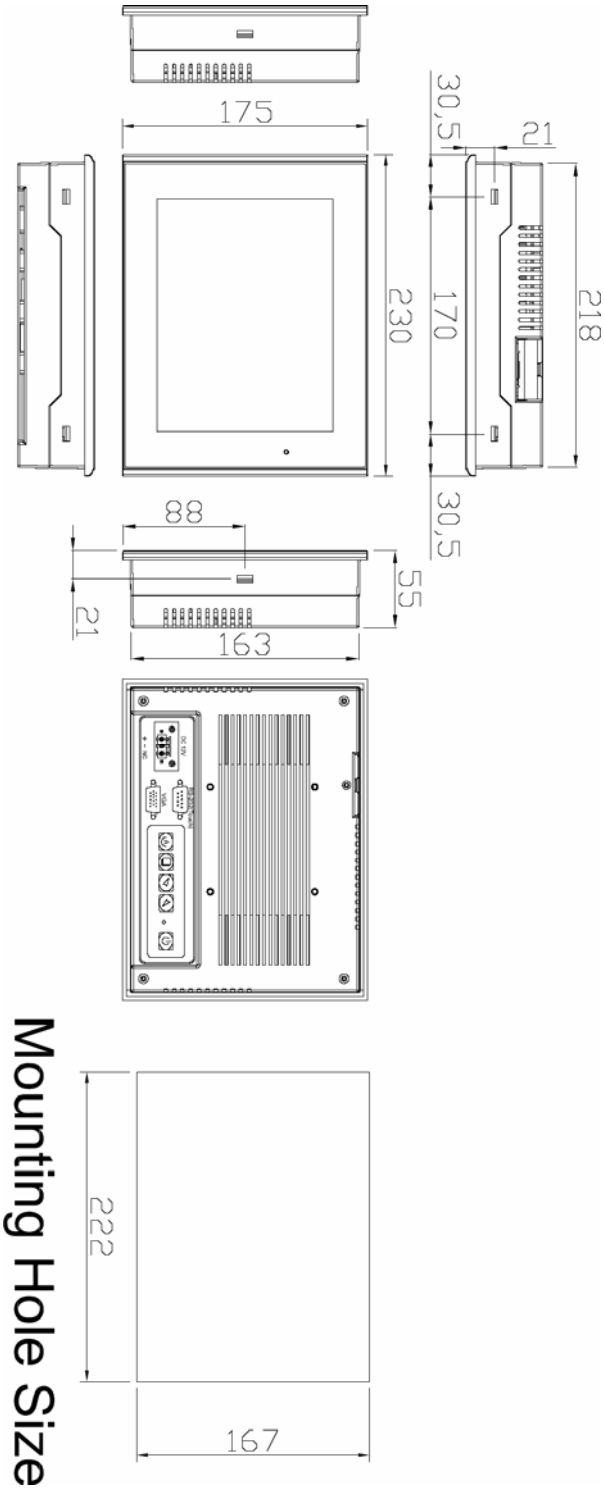


Figure 1.1: Dimensions of the ADP-1080

1.4 Brief Description of the ADP-1080

The ADP-1080 is an 8-inch color active TFT flat panel display, which takes up a small area to operate but brings performance to a new height, resulting in an effective work response. Given its ruggedness, the unit features an excellent viewing ability for monitoring and control applications. It is available with resistive touch screen that is easy to use and maintain.

The front panel of the display monitor is sealed with gasket for NEMA 4/IP 65 rating when it is panel-mounted in a NEMA rated cabinet or enclosure. VESA 75 is another mounting option.

Figure 1.2: Front View of the ADP-1080

Figure 1.3: Rear View of the ADP-1080

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 Front Panel Controls

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

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 color menu, there are the following items:

- Contrast
- Brightness
- Gamma Correct
- Color Adjust
- Exit

For picture, check out the following:
H.Position: Shift the picture to the left or right
V.Position: Shift the picture up or down
Sharpness: Fine-tuning of image sharpness
Phase: This field allows you to fine-tune the display quality
Exit: Back to icon

For function, check out the following:

- Auto Adjust
- Auto Position
- Auto Phase
- Auto Clock
- Auto Colour
- Exit

In the OSD Menu, there are the following:

- Language
- OSD H. Position
- OSD V. Position
- OSD Timer
- Translucent
- Exit

In the miscellaneous menu, there are:

- Signal Source
- Mode Select
- Reset
- Volume
- Exit

Exit to go back to icon.

2.4 AD Board (TB-6020) 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

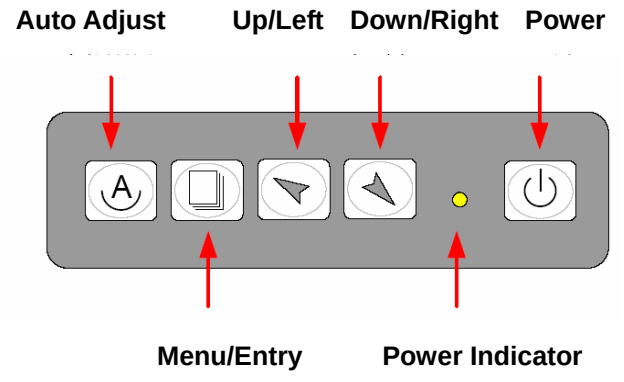
Before getting out of the burn-in mode, please first disconnect the AC power cord. Then press the button (If not workable, press the button and don't let them go) until the AC power cord is connected. Please don't let your fingers go until the AC power cord is connected again and the wording of "RGB" 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

Panel Mounting

The ADP-1080 display monitor is designed to be panel-mounted as shown in Figure A. Just carefully place the unit through the hole and tighten the given 8 screws from the rear to secure the mounting.

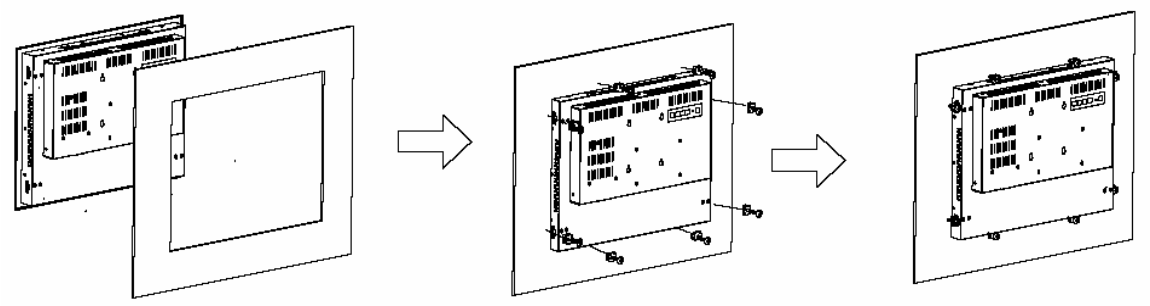


Figure A: Panelmounting of the ADP1080

VESA 75 Mounting (optional)

The ADP-1082 display monitor can be VESA-mounted as an option. Just carefully mount the arm onto the rear of the unit by fastening the given four screws as shown in Figure B.

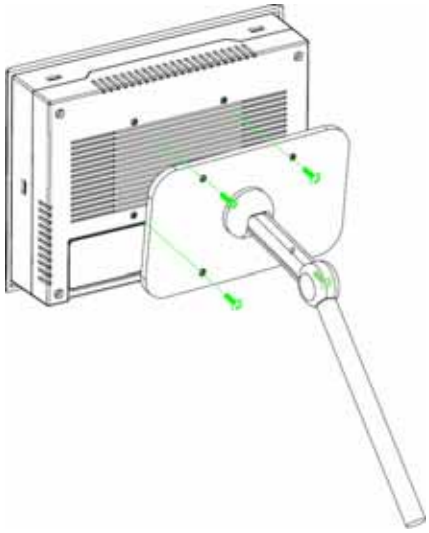


Figure B: VESA-mounting of the ADP1080