

# ARP 101-M User Reference Manual



# SPECIFICATIONS

<b>Model No</b>	<b>ARP101-M</b>
<b>Motherboard</b>	Support Micro ATX Motherboard
<b>Slots</b>	Offer 4 expansion slots
<b>Drive bay</b>	Support 2x 2.5"
<b>Display</b>	10.1" LCD monitor with LED backlight, touch screen, 1280x 800 resolution
<b>VGA</b>	AD conversion board, DVI interface (Option VGA)
<b>Power Supply</b>	1U, 400W, 100~240VAC, Auto switch
<b>Construction</b>	Rugged Aluminum Construction with shock absorbing rubber corners
<b>Dimension</b>	323Wx 176.6Hx 336D mm
<b>Weight</b>	5 kgs

# ENVIRONMENTAL FACTORS

	<b>Operating</b>	<b>Non-Operating</b>
<b>Temperature</b>	0°C~50°C	-20°C~60°C
<b>Relative Humidity</b>	10%~90%	10%~95%
<b>Approval</b>	CE, FCC, RoHS	

# OPTIONS

<b>VGA Interface</b>	
	<ul style="list-style-type: none"> <li>• DVI Interface cable for DVI Graphic card</li> </ul>
	D-sub 15pin VGA interface cable

# Standard Accessory Kits

<b>ARP 101-M</b>			
<b>Model</b>	<b>Accessory Kit SKD</b>		<b>Qty</b>
<b>ARP 101-M</b>	<b>1</b>	ARP101 Portable Computer Chassis	1
	<b>3</b>	User's Manual	1
	<b>4</b>	Power Cord	1
	<b>5</b>	Anti-Static Bag	1
	<b>6</b>	Screw Pack (stabilizer)	1
	<b>7</b>	Stabilizer Supports Pack	1
	<b>8</b>		
	<b>9</b>		

## **1.0 Introduction**

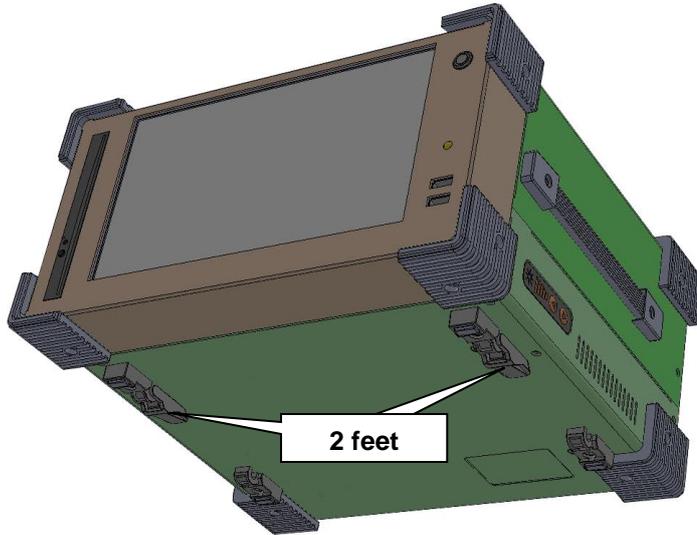
### **ARP 101-M features:**

- Rugged Construction with shock absorbing rubber corners
- Built-in 10.1" LCD display with LED backlight, touch screen, 1280x 800 resolution,
- Designed for Micro ATX Motherboard
- Offer 4-slot expansion capability
- 1U 300W power supply, 100~240VAC
- Support 2x 2.5" drive bays

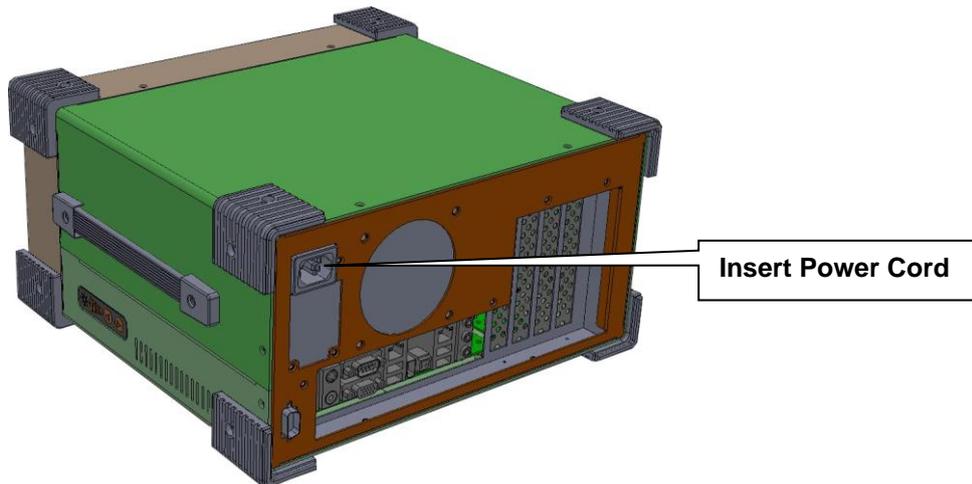
Applications: Military, Industrial automation, Digital TV test & analysis, Mobile Computing, Outdoor Computers, video conferencing, E-learning, Speech Technologies, Portable Workstation, Telemedicine, Multimedia, Mission Critical Computing

## 2.0 Operation

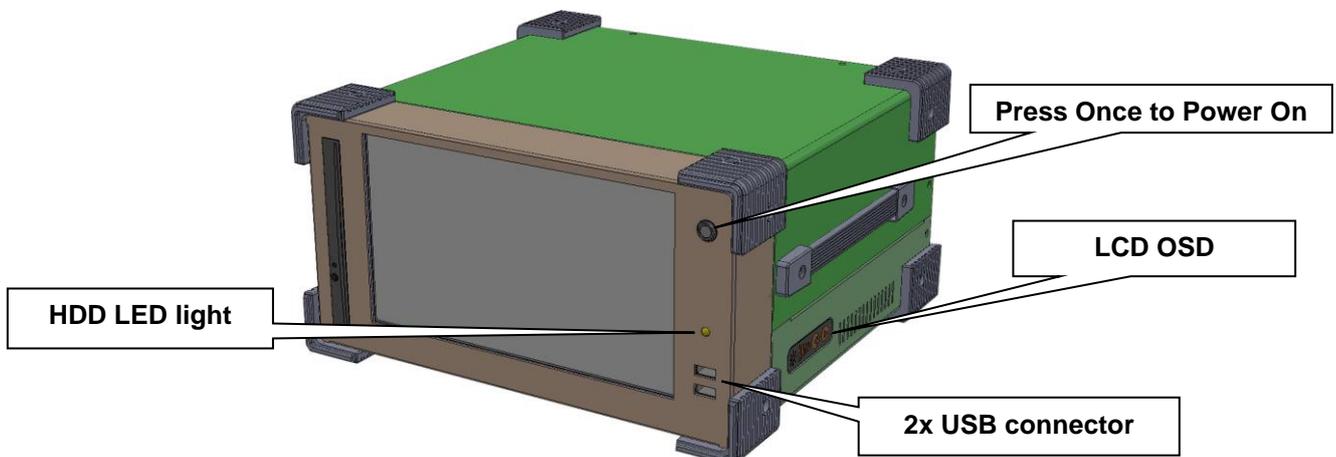
1. You can flip the 2 feet located underneath the chassis outward to help create an angle for the chassis for viewing comfort.



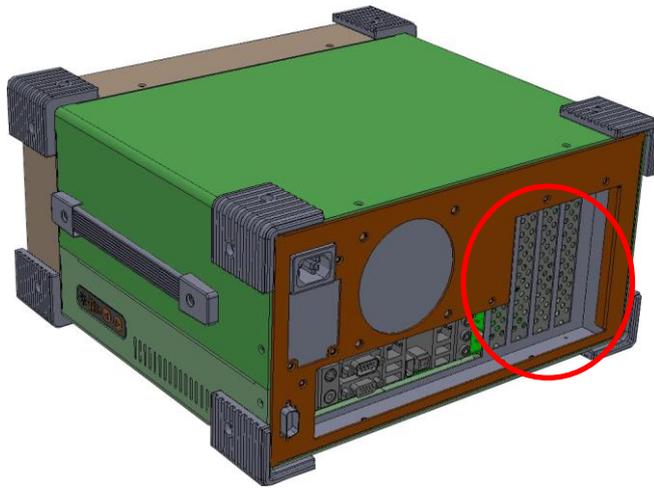
2. Connect the power cable outlet into the power supply unit



3. Press the power switch located on the front panel of the chassis to power up the unit. There have indicator LED lights for HDD activity, and 2x USB connectors.



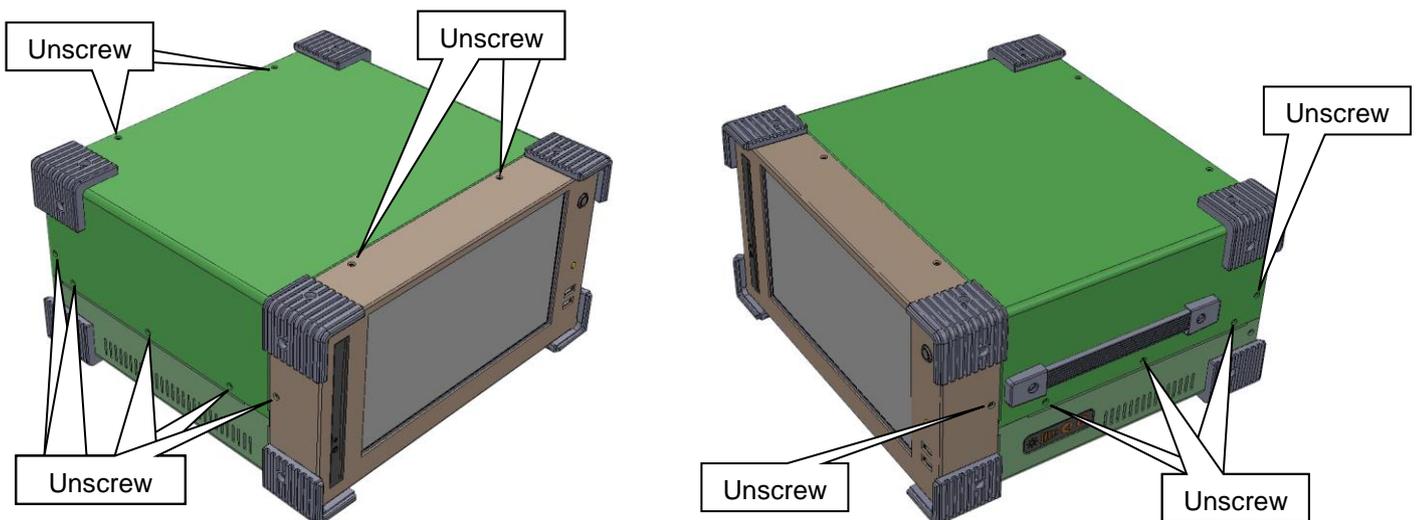
4. Offer 4 expansion slots on the back side of the chassis.



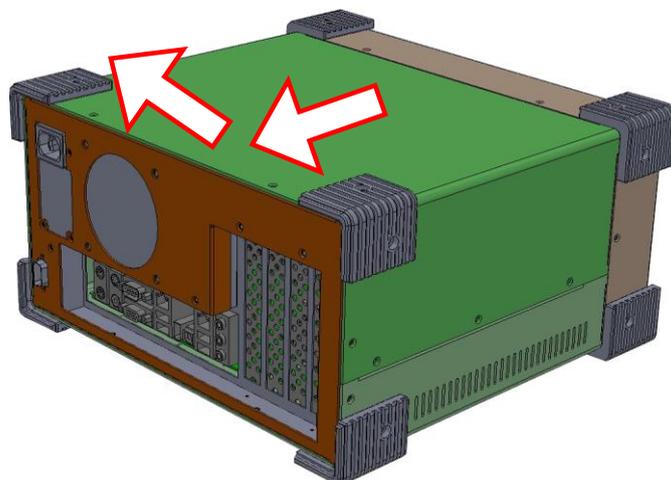
### 3.0 Internal Hardware Access

Be sure power cable is not connected to the system before proceeding

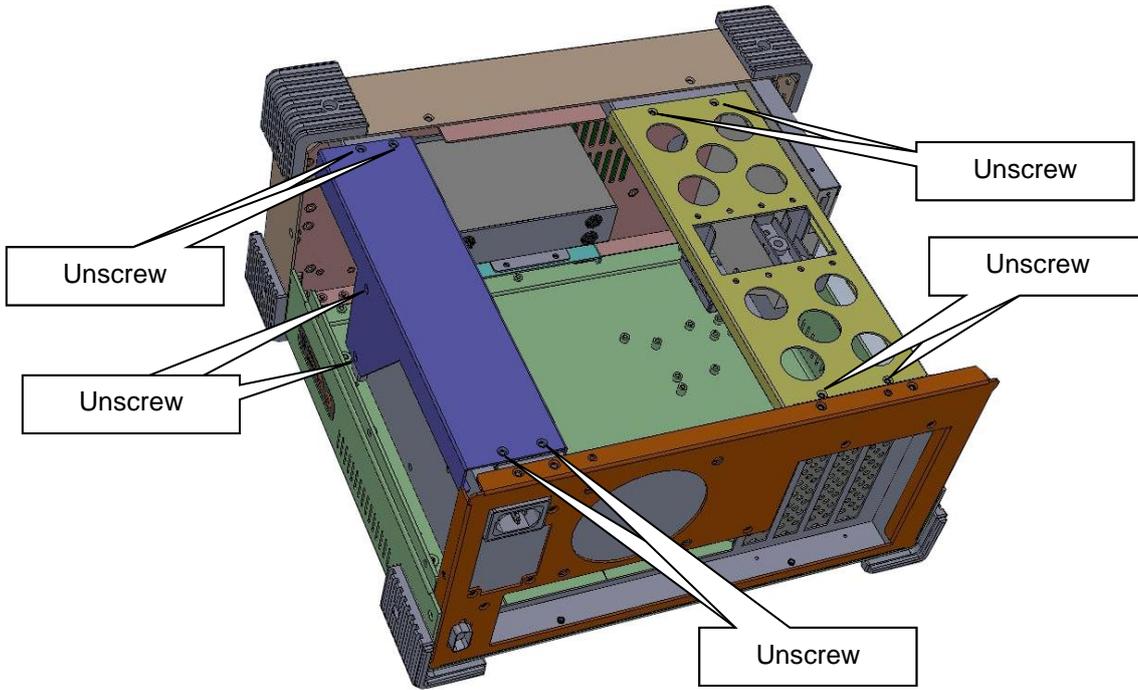
#### 1. Open the Cover



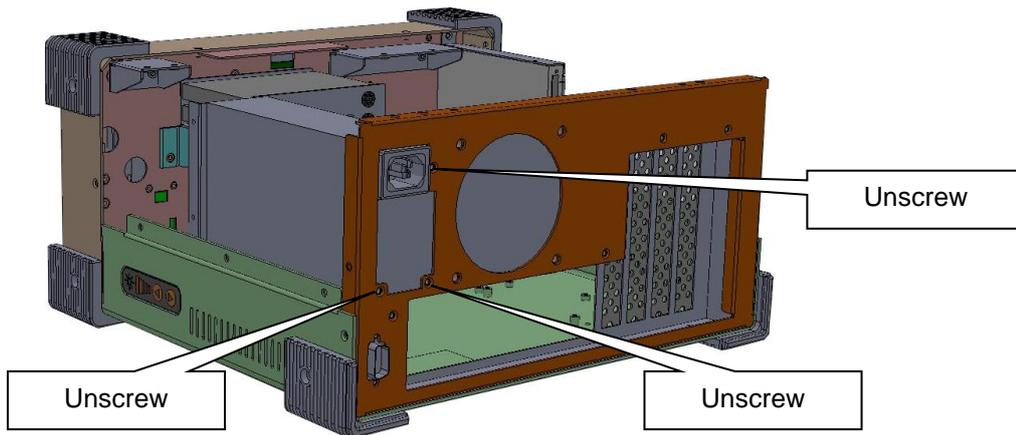
#### 2. Remove the Cover



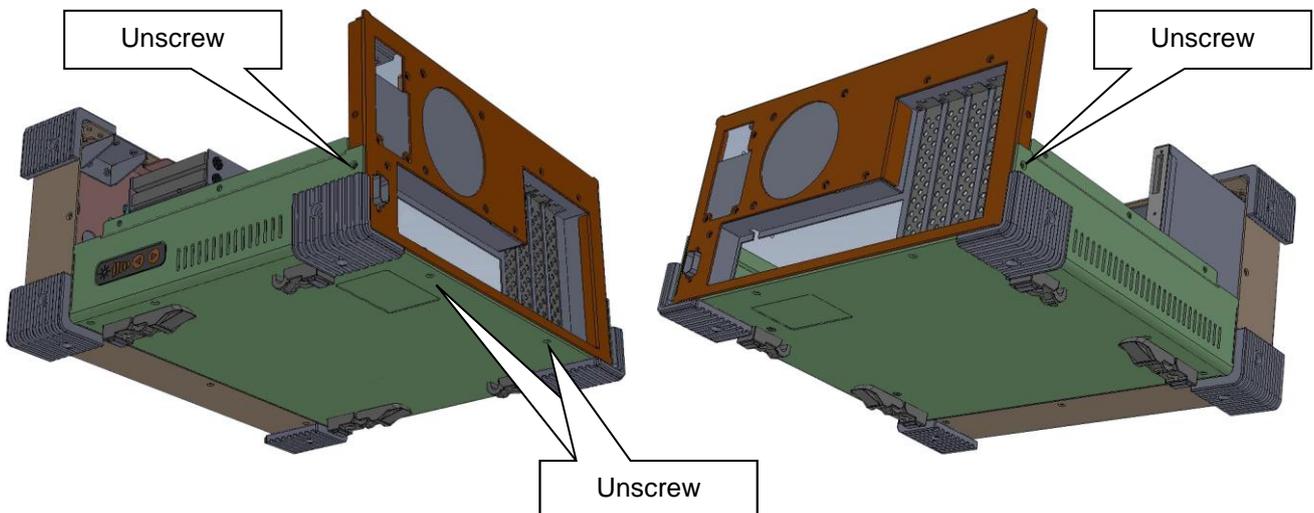
### 3. Remove the Card stabilizer bar and the power supply cover



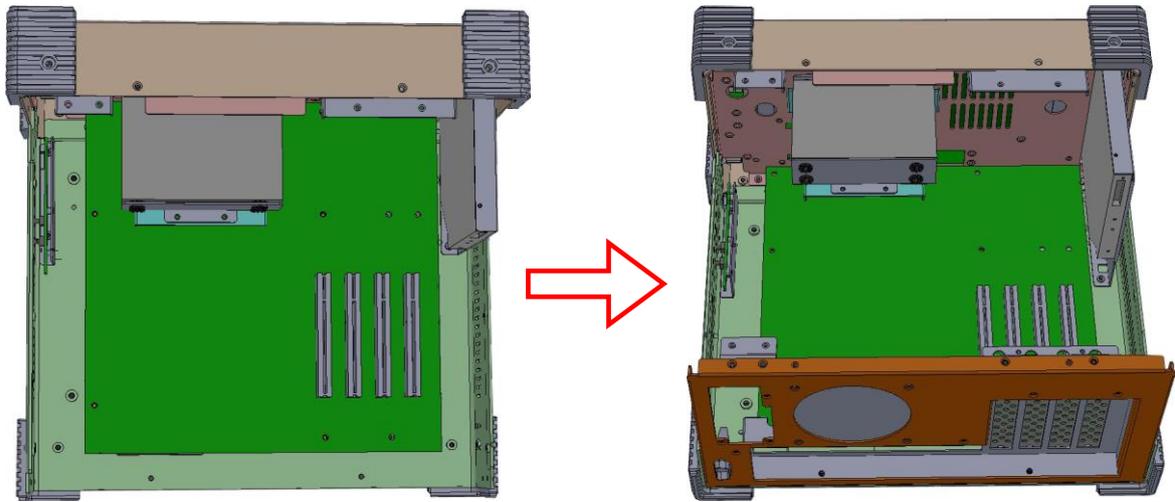
### 4. Remove the Power Supply



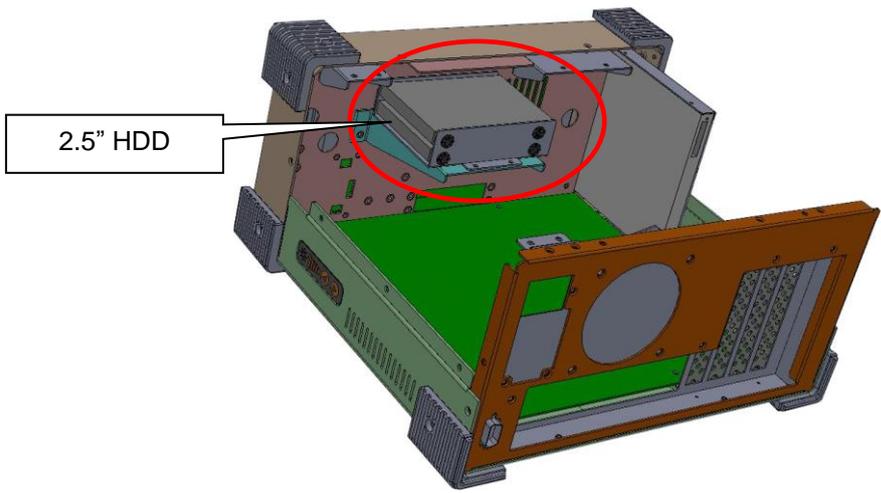
### 5. Remove The Back Frame



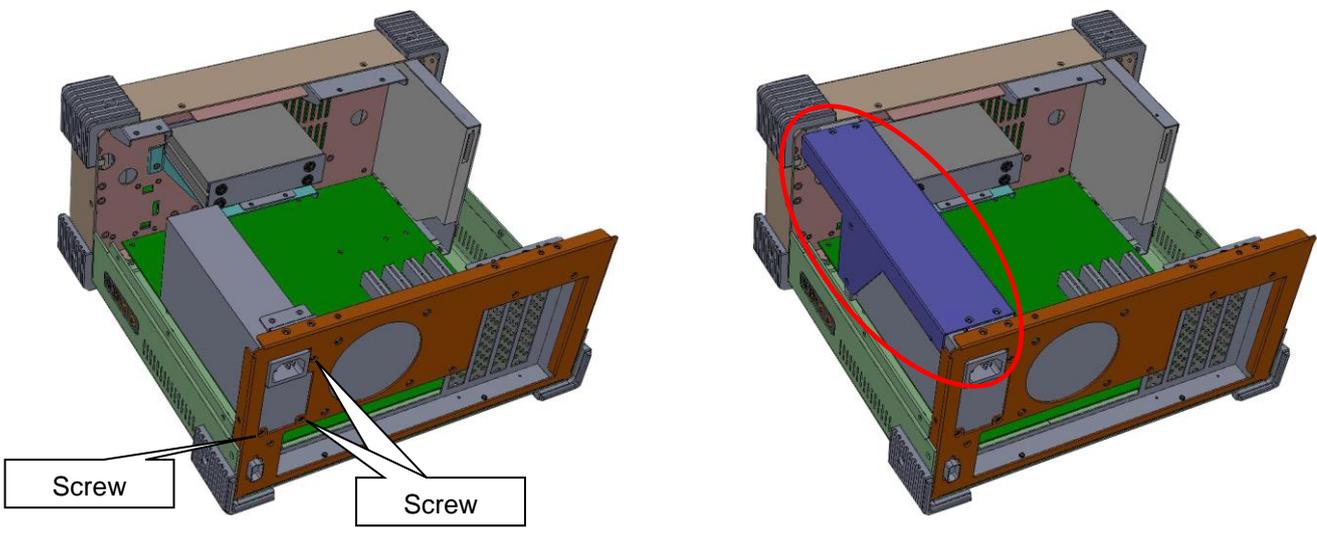
6. Install the proper stand-off matching the Micro ATX Motherboard into the chassis and correct I/O plate supplied by board manufacturer and secure it the motherboard onto chassis, and remount the back frame.



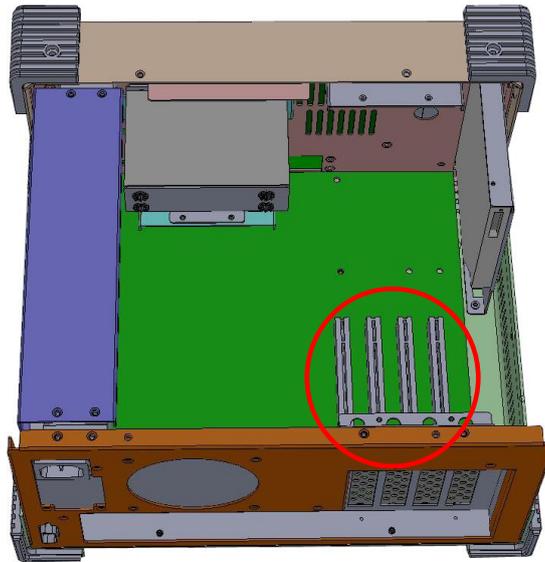
7. Install the 2.5" device into drive bay housing



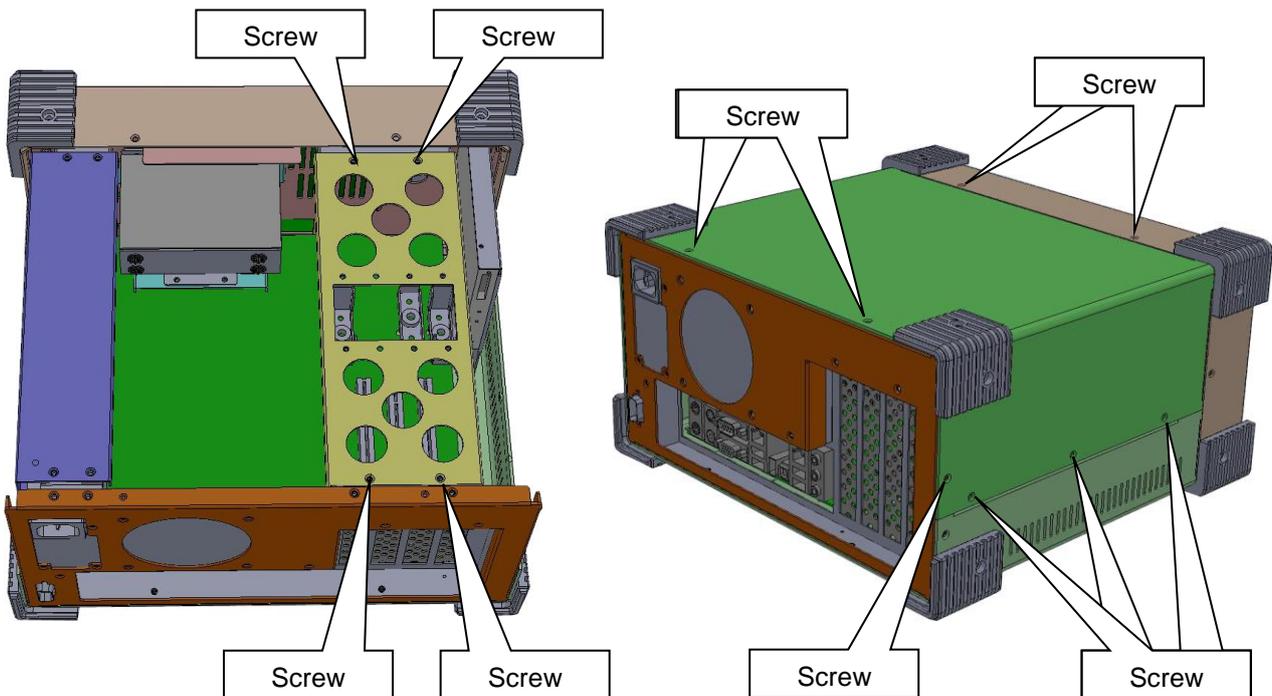
8. Install the power supply and secure its cover



**9. Install your add-in card into the appropriate slot**



**10. Remount the card stabilizer bar and put the cover back**



## 4.0 Software Installation

You can use the built-in DVD-RW to load operating system and additional applications software into the system. Available medium from USB or download can also be possible.

**DOS Boot up:** DOS boot up requires you to have a version of the DOS installed on hard disk drive or floppy. Depending on the execution sequence you have set in the batch file, you will usually get a DOS prompt after loading.

**Window Boot up:** Windows boot up requires you to have Windows installed in the hard disk drive. During Windows boot up, you will see a sequence of access to your hard disk drive which will eventually take you into a graphical user interface environment.

**Other O/S description:** Many other operating systems are available in the market, such as Linux, Windows, Solaris and DOS. These operating systems will behave differently and you should react accordingly.

## 5.0 Troubleshooting

### 1. Installation problem:

1. Normally problem with a fail start up is due to installation problem.
2. Double check all the peripheral cards or items you have added to the ARP.
3. Are all the items seated properly?
4. Are all the cables connected back to its original or correct position?
5. Are the items you have added compatible?
6. Before you check for these, turn the computer off and unplug the power cord.
7. Check for 1 thru 5 and then re-power up the computer.
8. Remove all items that were added and re-try system power up.
9. If the system starts now, try inserting 1 new item in at a time and try powering up.
10. Repeat this step until you get the desired result.

### 2. BIOS Beep Code:

The BIOS beep code indicates error in system initialization. The BIOS of the system board will associate with video and memory error. Please check your video card is properly seated and your memory is installed properly.

### 3. System Fails to power up:

1. Check you power connection first.
2. Check the main power switch is in the ON positions (I) \*If cold switch is available.
3. Press the power button located on the machine.

### 4. No display (LCD):

1. Check all the proper power up procedure has been taken.
2. Hook up an external LCD to the VGA port, to check if video is present.
3. If video is present on external LCD, check the internal LCD cable connection.
4. Or check your VGA setting to make sure LCD video is enabled.
5. If there is no video on external, check your system to make sure everything is seated properly.
6. If everything is seated properly and still no video, call us for further assistance.

### 5. External LCD no display:

1. Check to see if you have internal LCD video.
2. Check if your LCD is functioning properly.
3. Check your VGA setting to make sure external video is enabled.