RACK-210 CHASSIS
USER'S MANUAL

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Chapter 1 Product Information

1.1 General Information

RACK-210 Wall-mount IPC chassis is a rugged PC/AT compatible computer designed for the factory floor and other Industrial harsh environment. The RACK-210 features 5 slots Passive Backplanes and high reliability AC Input Power Supply : ACE-920A.

1.2 Product Specifications

General specification

- Construction : Heavy-duty steel
- Disk Driver : Supports one 3.5” FDD and one CD -ROM , two 3.5” HDD
- Cooling Fan : One ball bearing fan for add-on cards cooling
- Indicator : Two LEDs to monitor the status of HDD and Power Supply
- Dimension : 431 x 477.2 x 88 mm (W x D x H)

Passive Backplanes (Optional)

BP-5S 5-slot ISA-bus Backplane
PCI-5SD 5-slot ISA/PCI bus Backplane
PCI-6SR 6-slot ISA/PCI bus Backplane

Power Supply

Standard equipped power supply for the RACK-210 is : ACE-920A

Working Environment

- Operating Temperature	:	0~50°C
- Relative Humidity	:	5~95% Relative
- Vibration	:	5-17Hz, 0.1” double amplitude displacement
		17-640Hz, 1.5G acceleration peak to peak
- Shock	:	10G acceleration peak to peak
- Safety approval	:	meet CE, FCC

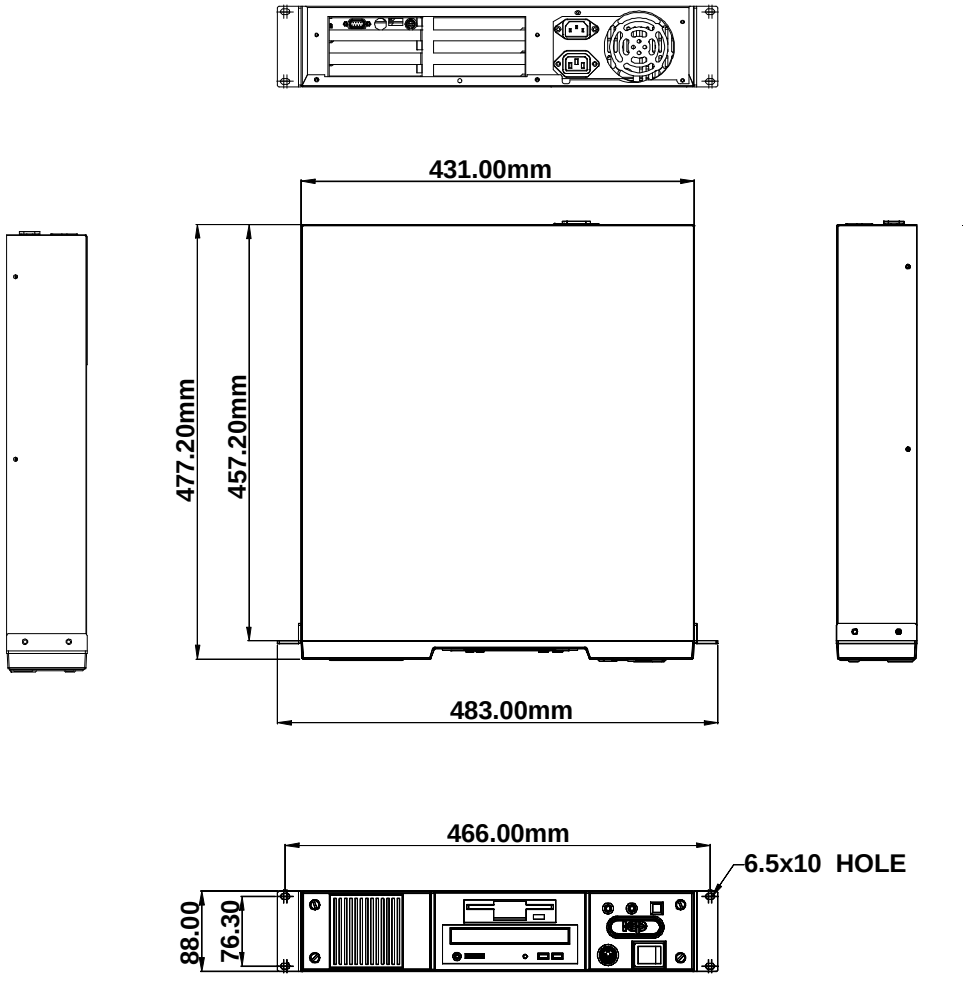
Cooling Fan

One ball bearing fan for add-on cards cooling

Drive Capacity

Supports one 3.5” FDD and one CD-ROM, two 3.5” HDD

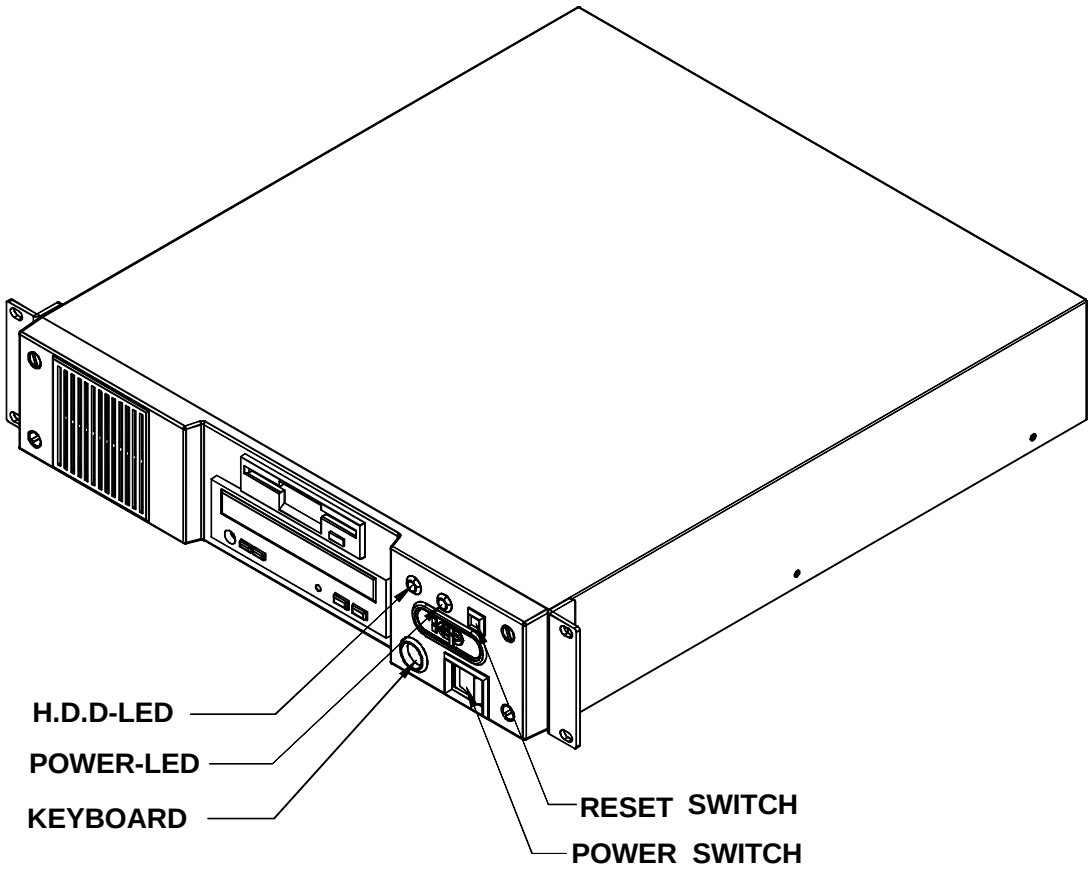
1.3 Dimensions



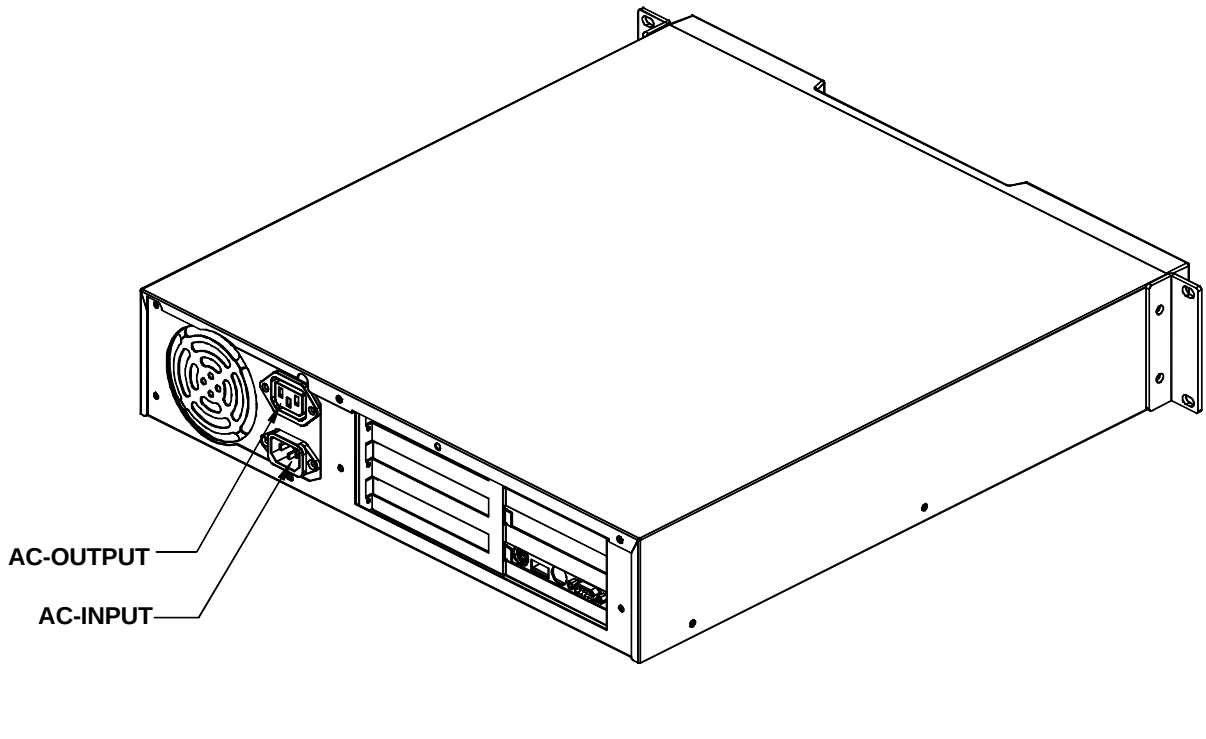
Chapter 2 Installation Procedure

The following set up procedures are provided to assist you in installing the system unit, please follow the steps below:

2.1 Front Panel of RACK-210

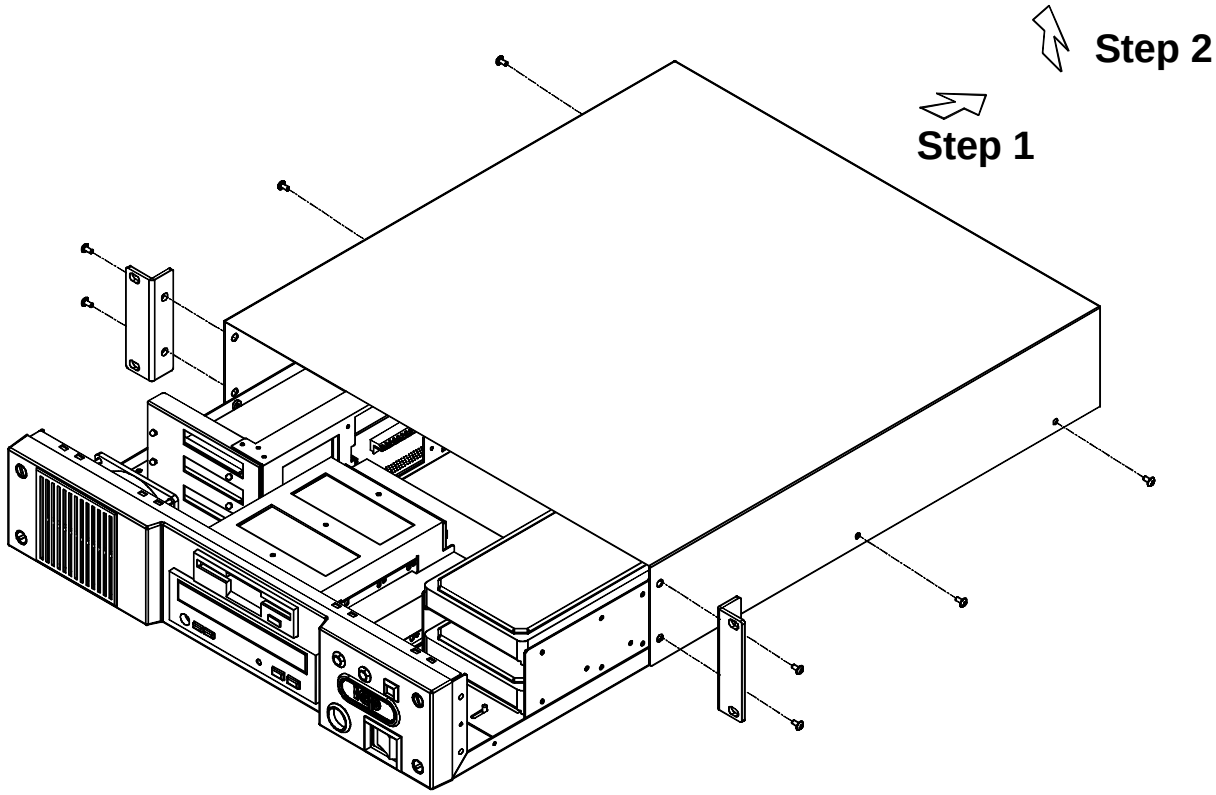


2.2 Rear Panel of RACK-210



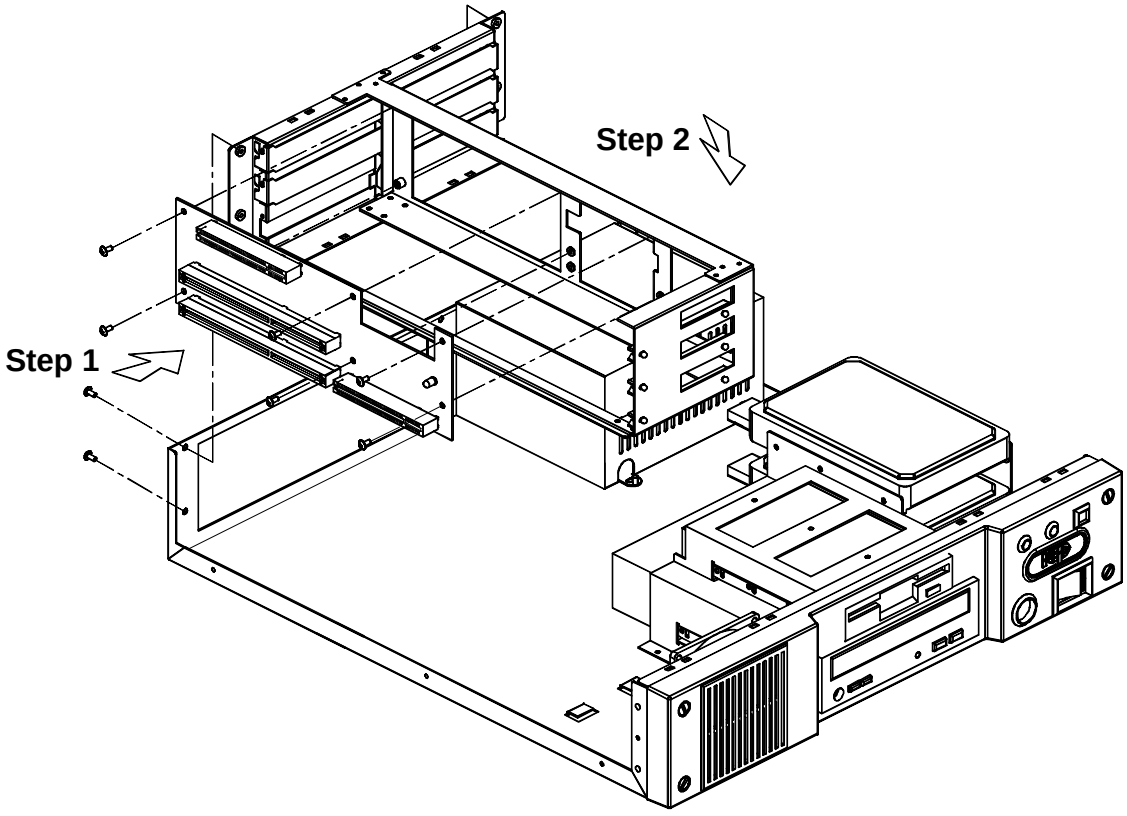
2.3 Removing the chassis cover

The cover is mounted by four screws on the top of the chassis, remove them and slide the cover to the rear of the chassis. Figure below shows how to remove the chassis cover.



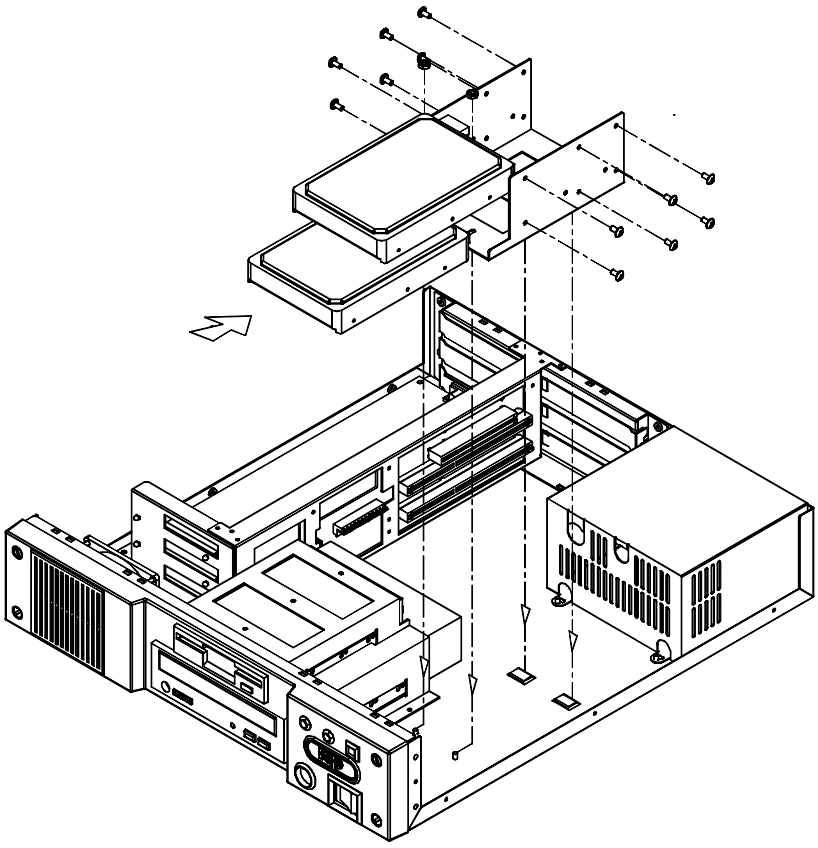
2.4 Backplane Installation

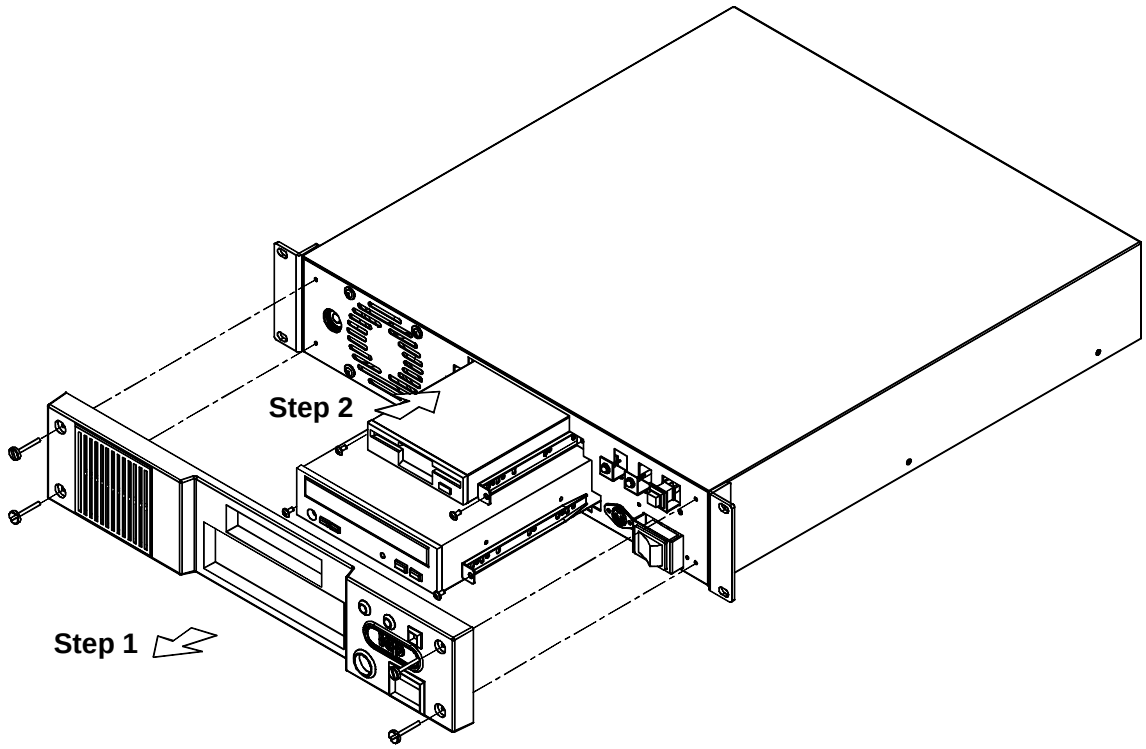
Figure below illustrates how to install the backplanes on the RACK-210



2.5 Disk Drives Installation

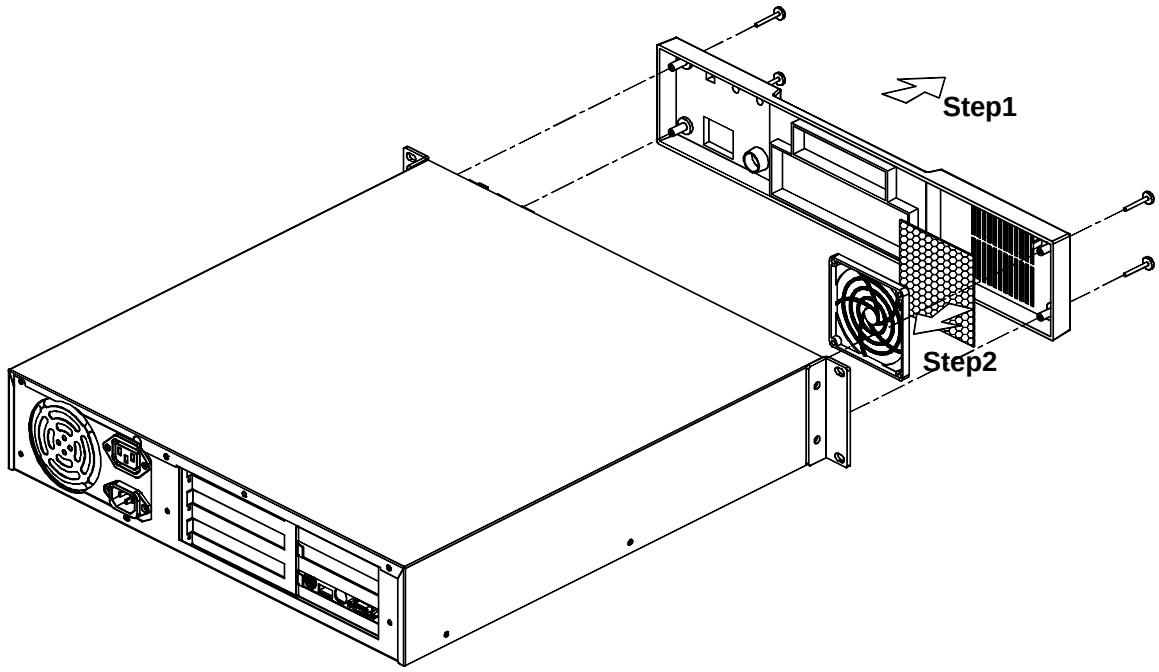
1. Remove the chassis top cover
2. Remove the disk drive bay
3. Attach the FDD to the bracket with four screws and connect FDD cable & power cable to the FDD.
4. Attach the HDD to the bracket with four screws and connect a 40-pin flat cable & power cable to the HDD.



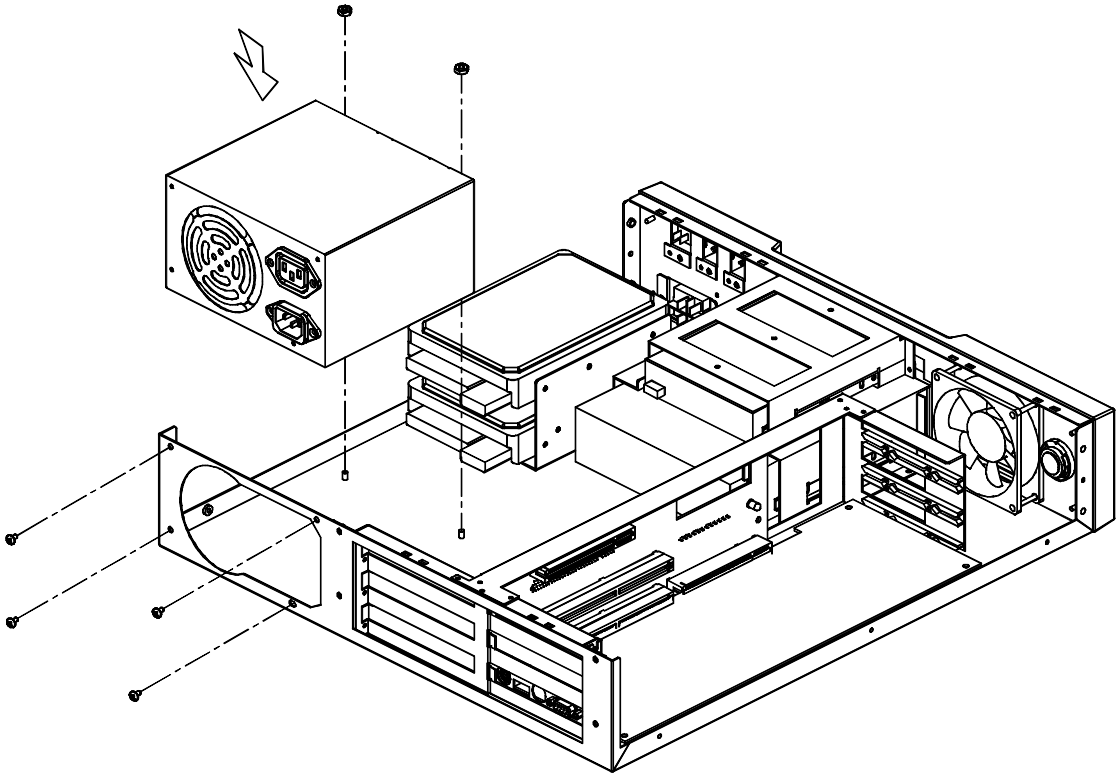

Step 2
Step 1

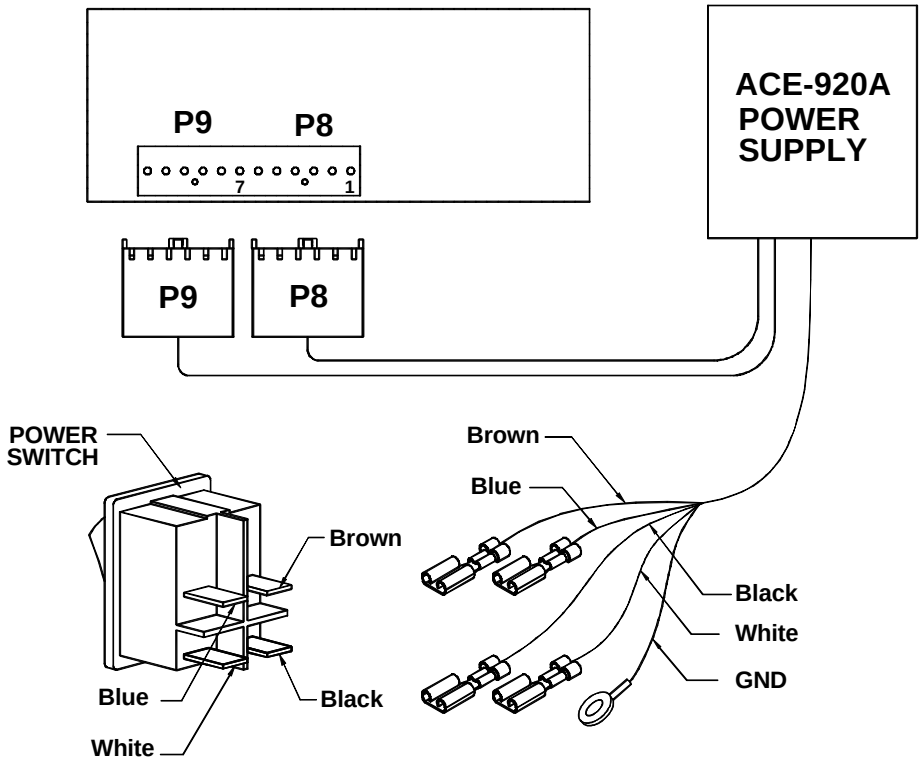
2.6 Replacing the Filter

The filter of the RACK-210 is located at the front end of the chassis. Under continuous use, the filter should be removed about once a mounth. To replace the filter, open and close the door by screws . Take out the old filter and slide the new one into place . Then close and lock the filter door.

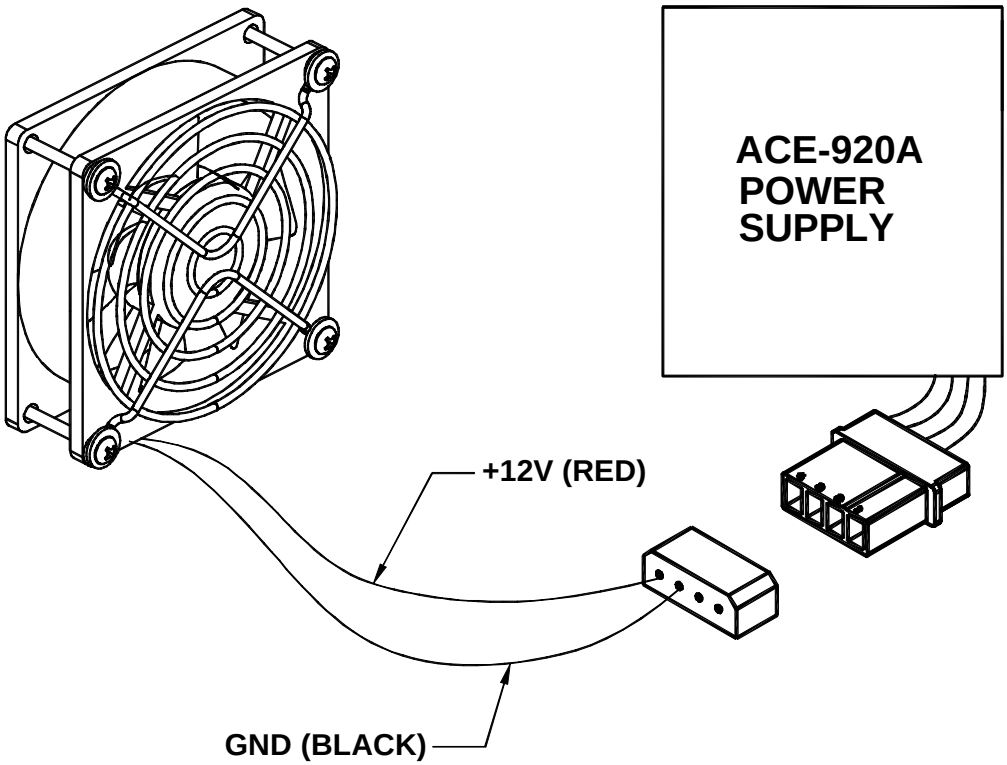


2.7 Power Supply Installation



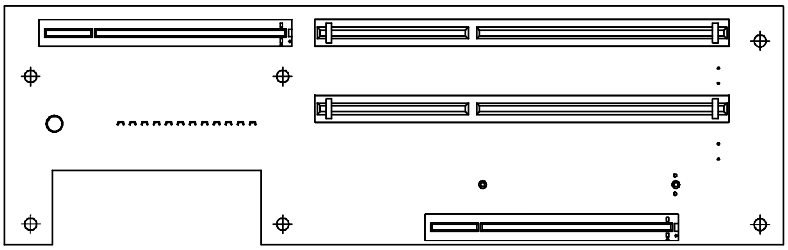


2.7 Fan Installation

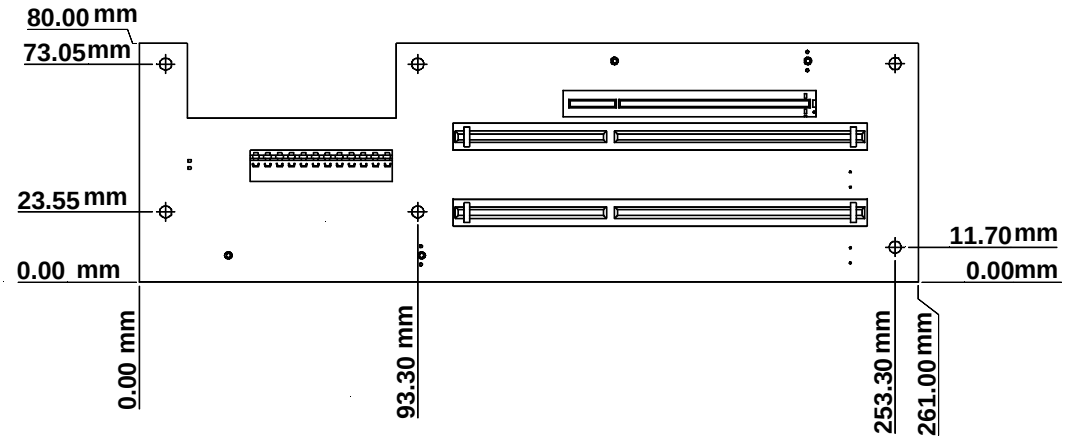

ACE-920A
POWER
SUPPLY
+12V (RED)
GND (BLACK)

APPENDIX A PASSIVE BACKPLANES

LEFT SIDE



RIGHT SIDE



APPENDIX B EXPLODED DIAGRAM