Ultimate Housing Solution For Industrial And Commercial Applications.
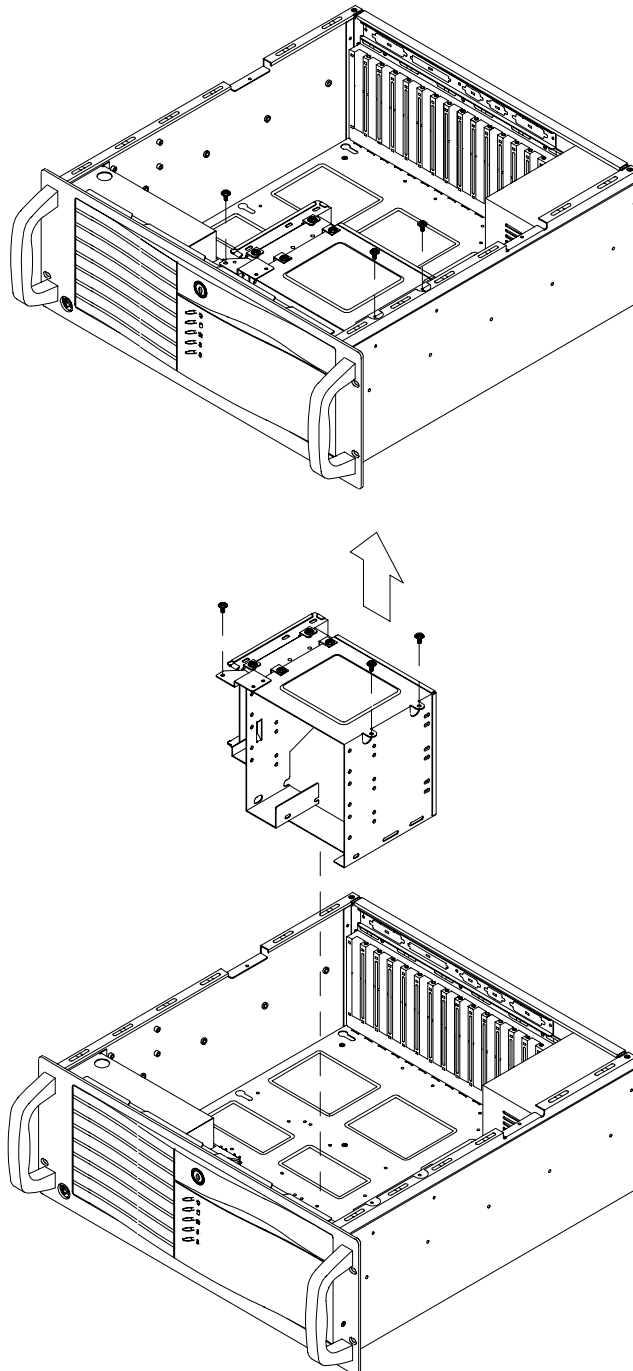
Table of Contents

Open Chassis Cover

1. Unscrew the two screws on the back of top cover.
2. Slide the top cover backward (about 4 inches).
3. Remove the top cover from the chassis.
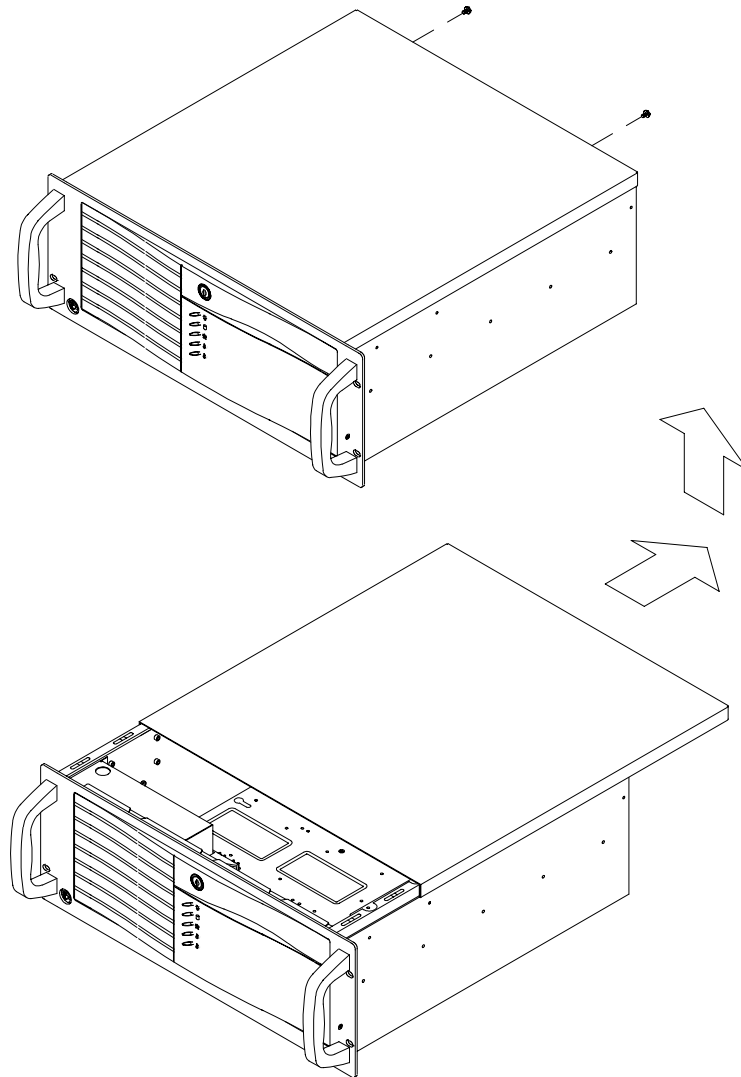
Remove The Disk Drives Cage (Full Set)

1. Unscrew all 3 screws on the disk drives cage.
2. Push the cage backward to disengage with the front chassis.
3. Remove the cage.

Remove The 3.5" Drive Cage (HDD & FDD)

1. Unscrew the combined 3.5" Drive Cage by loosening 2 screws.
2. Push the Drive Cage backward.
3. Remove the Cage.
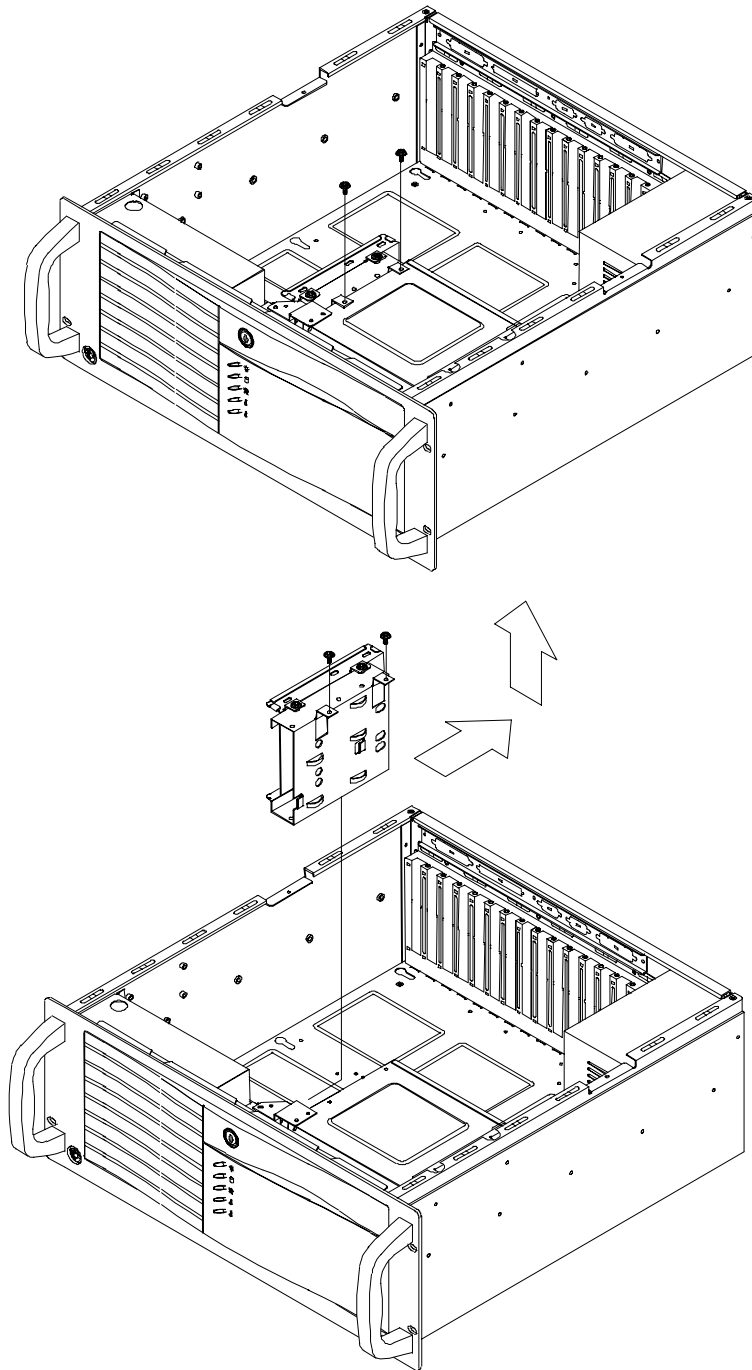
Remove The 3.5" Hard Disk Drive Cage

1. Unscrew the HDD Cage by loosening 2 screws.
2. Push the HDD Cage backward.
3. Remove the HDD Cage.

Install The Disk Drives (5.25" x 3 & 3.5" x 3)

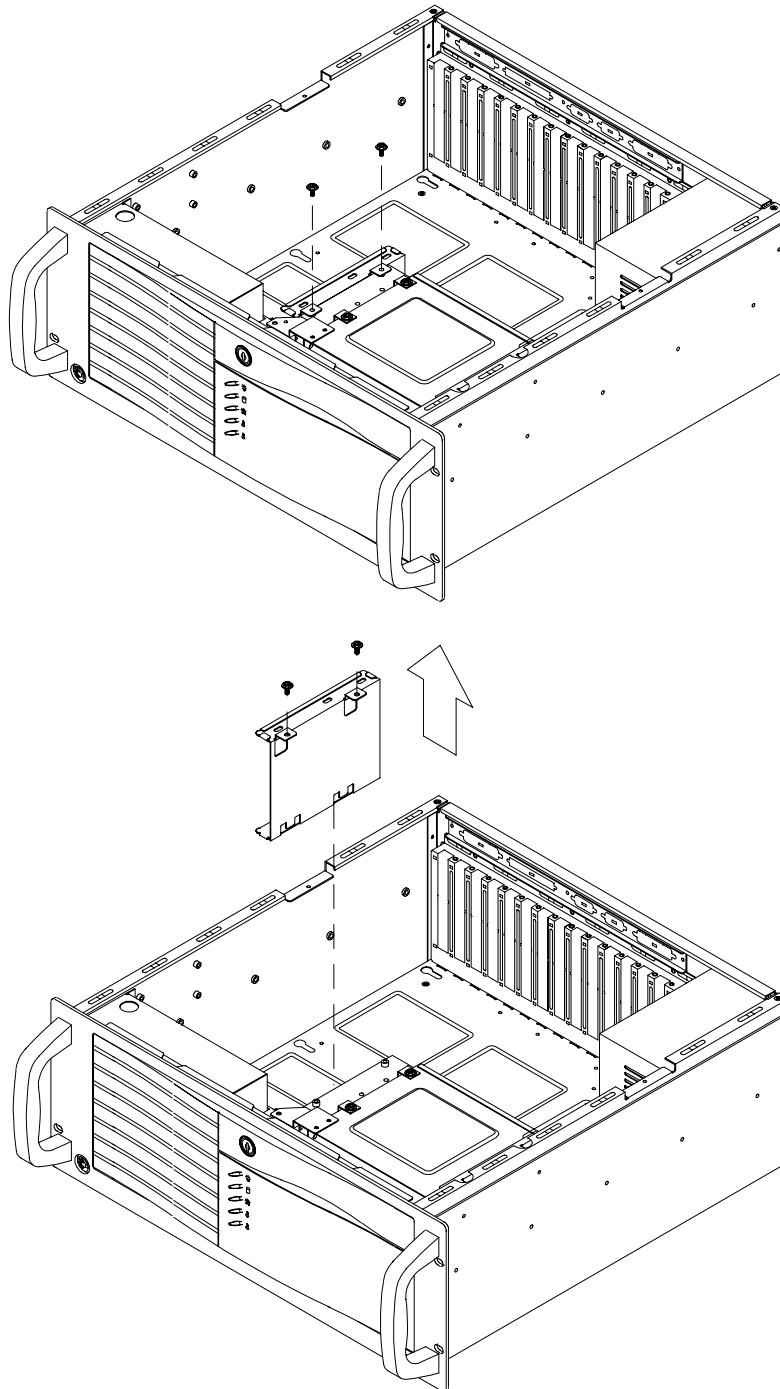1. Lift the Drive Cage (full set) from the main chassis body. (Refer to the corresponding section.)
2. Place the drives into the cage properly. Secure each disk drive in the cage by at least 4 screws (2 screws at each side of drive) is highly recommended.
3. Unscrew the HDD Cage and place HDD in the Cage. Secure the HDD by 4 screws.
4. Unscrew the FDD Cage and place FDD in the Cage. Secure the FDD by 4 screws.
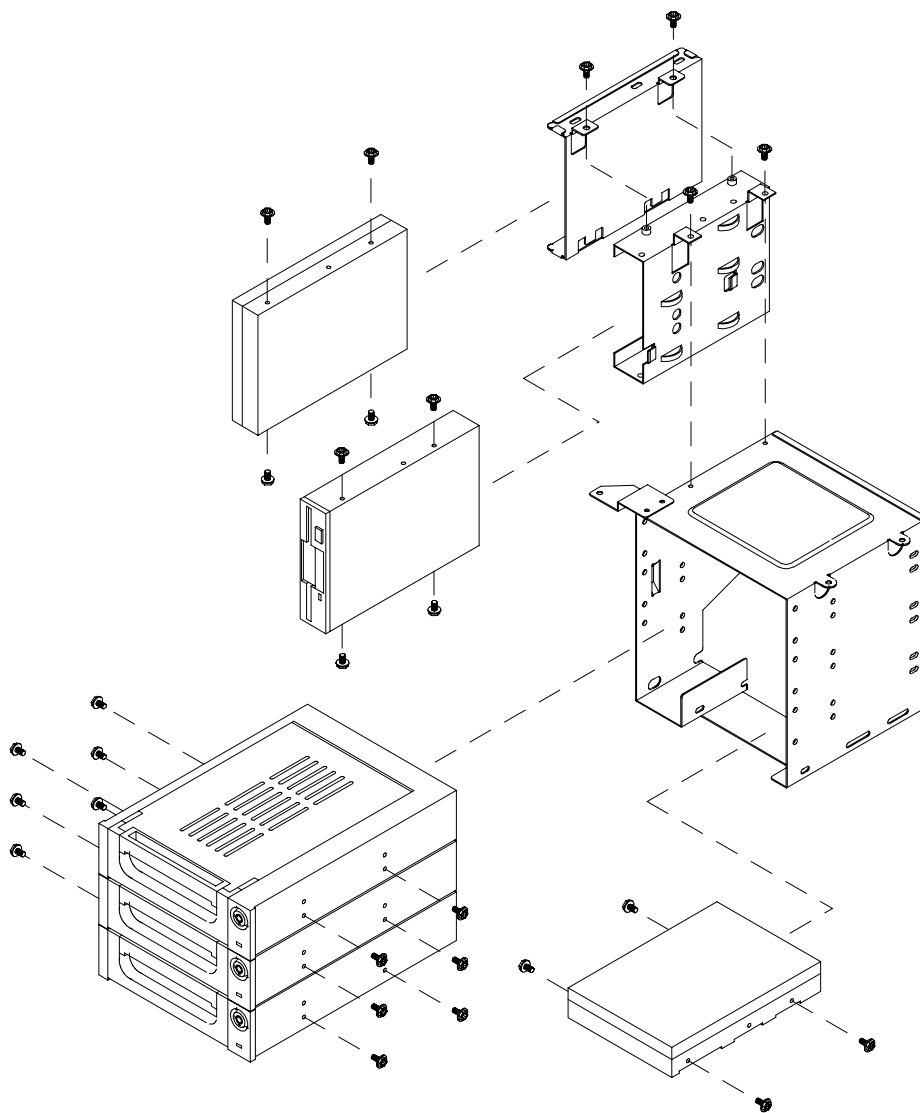
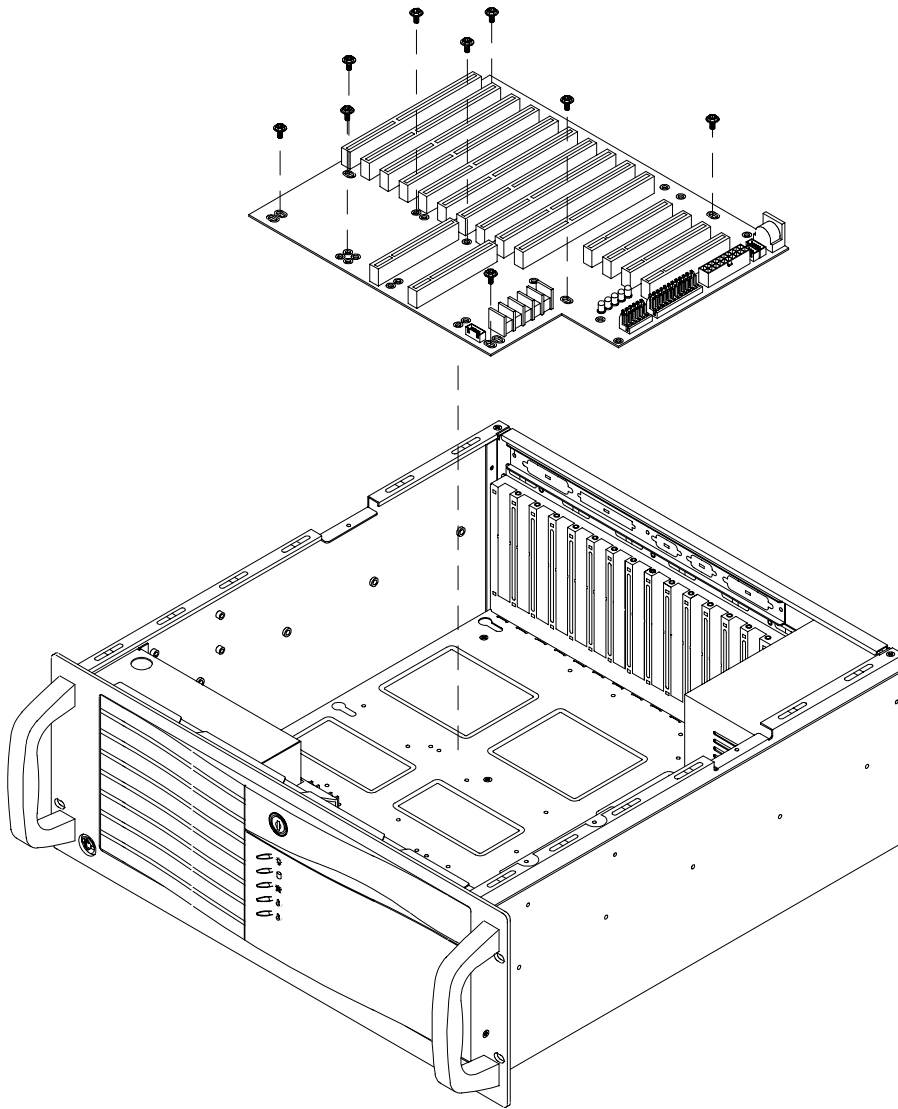## Install A Back-plane

The chassis is capable of fitting a standard ATX/AT main-board or a passive 14 slots back-plane. To install a back-plane into the chassis, please follow the steps :

1. Be sure the chassis model is exactly for the back-plane.
2. Place the back-plane on the chassis main-board plate properly.
3. Secure the back-plane onto the chassis by using the available screw holes.

Install An ATX Mother-board

The chassis is capable of fitting a standard ATX/AT main-board or a passive 14 slots back-plane. To install a ATX mother-board into the chassis, please follow the steps :

1. Be sure the chassis model is exactly for the ATX mother-board.
2. Place the mother-board on the chassis main-board plate properly.
3. Secure the mother-board onto the chassis by using the available screw holes.
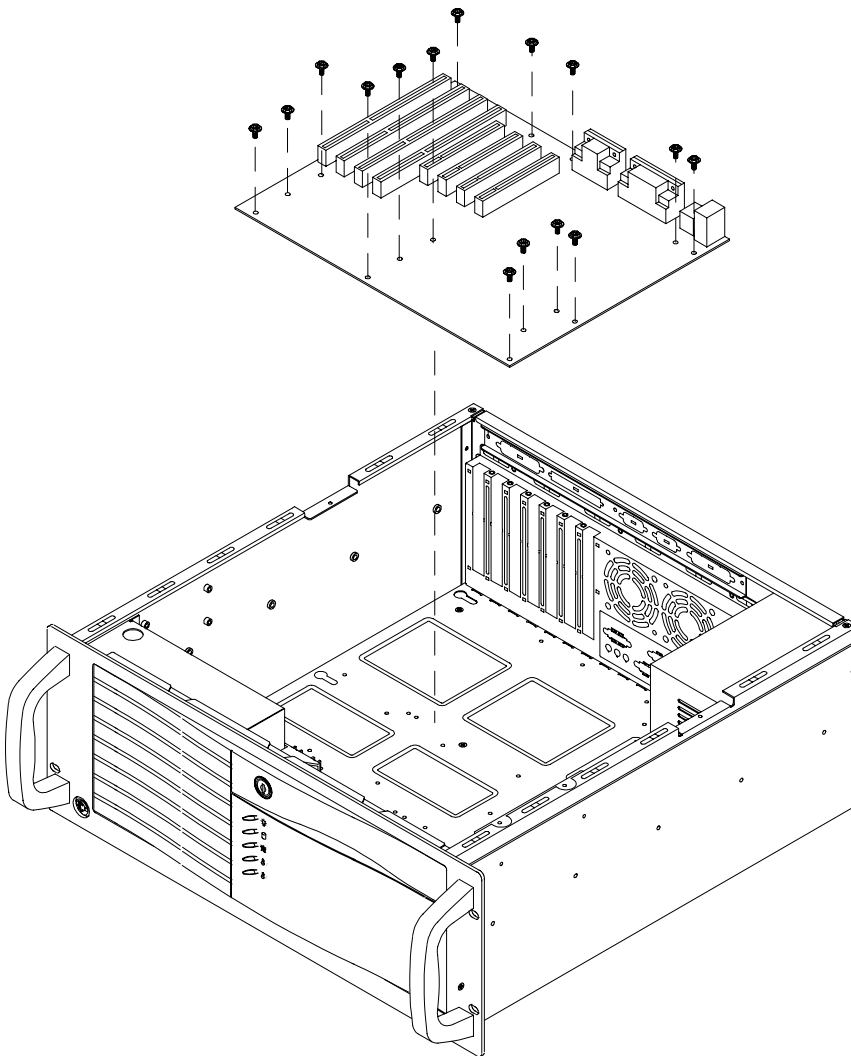
Use The Hold-down Card Retainer

The chassis offers a special designed Hold-down Card Retainer to avoid the add-in cards bad contact with main-board caused by external shocking or vibration during delivery or regular movement.

1. Select the position of the slot.
2. Loosen the screw on card retainer bar accordingly.
3. Slide the card holder tap to engage the top edge of the add-on card.
4. Tighten the screw.

The Card Retainer supports the add-in card height between 90mm to 115mm.
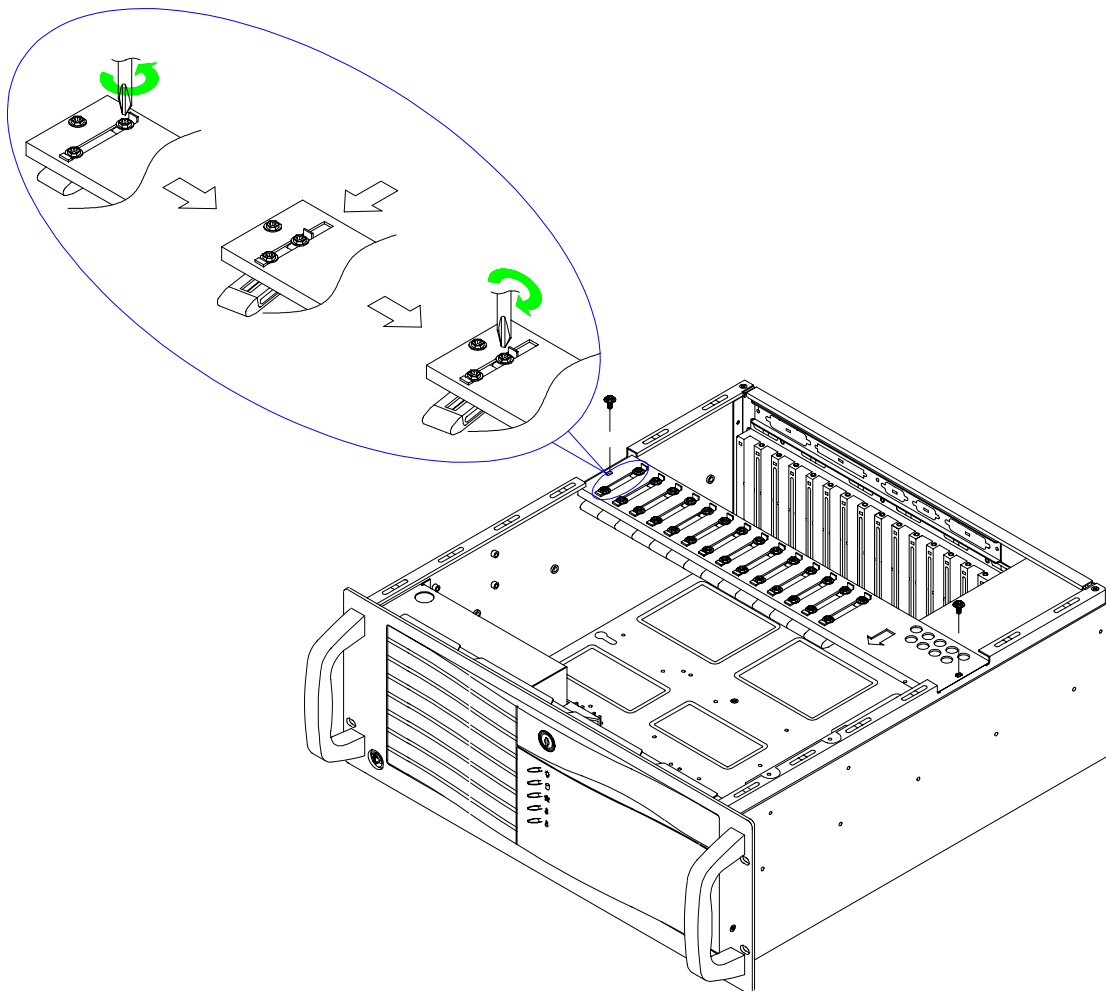
## Attaching A Keyboard

1. The AT type keyboard connector is located on the front panel as a standard unit.
2. You can also find another keyboard connector (PS/2 or AT type) on rear panel.
3. The rear panel keyboard connector is built-in the mother-board or passive back-plane. This connector works at any time.
4. The front panel keyboard connector works only if a keyboard convert cable was installed.
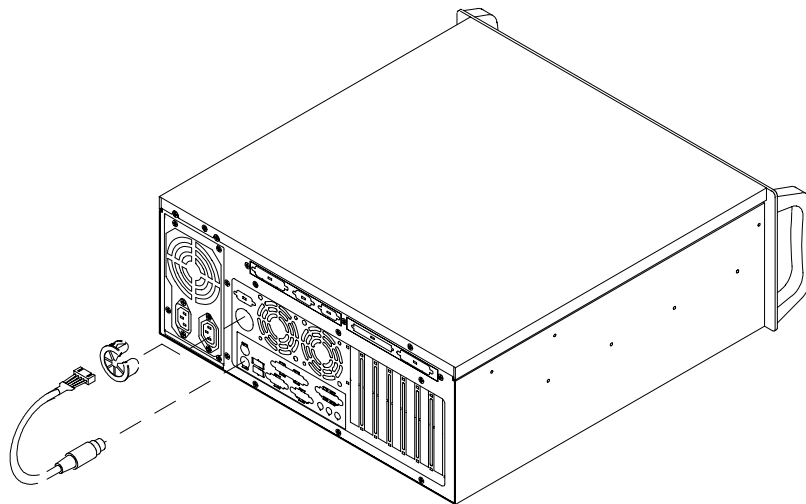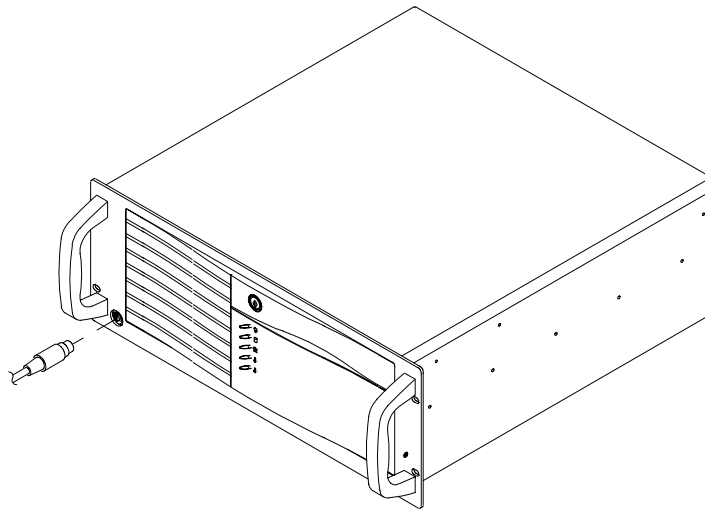
Control Panel Indicators

The Control Panel located on front panel comprises the LEDs for

1. System Power LED
2. HDD Status LED
3. Fan Fail LED
4. Thermal 1 LED
5. Thermal 2 LED
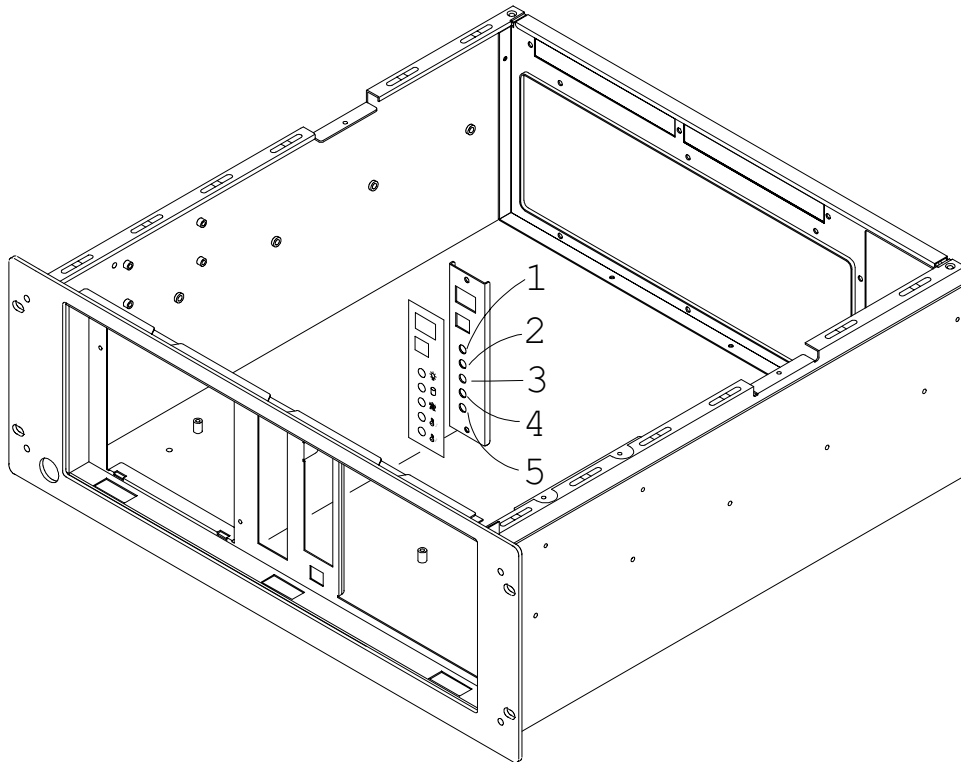
Install / Remove A PS/2 Type Switching Power Supply

There are 2 major types of power supply available for the chassis, standard PS/2 switching power supply and PS/2 type mini-redundant (1+1) power supply.   To install or remove the power supply unit, please follow the steps :

1. Screw or unscrew the 6 screws on the power supply unit.
2. Place or remove the power supply unit.
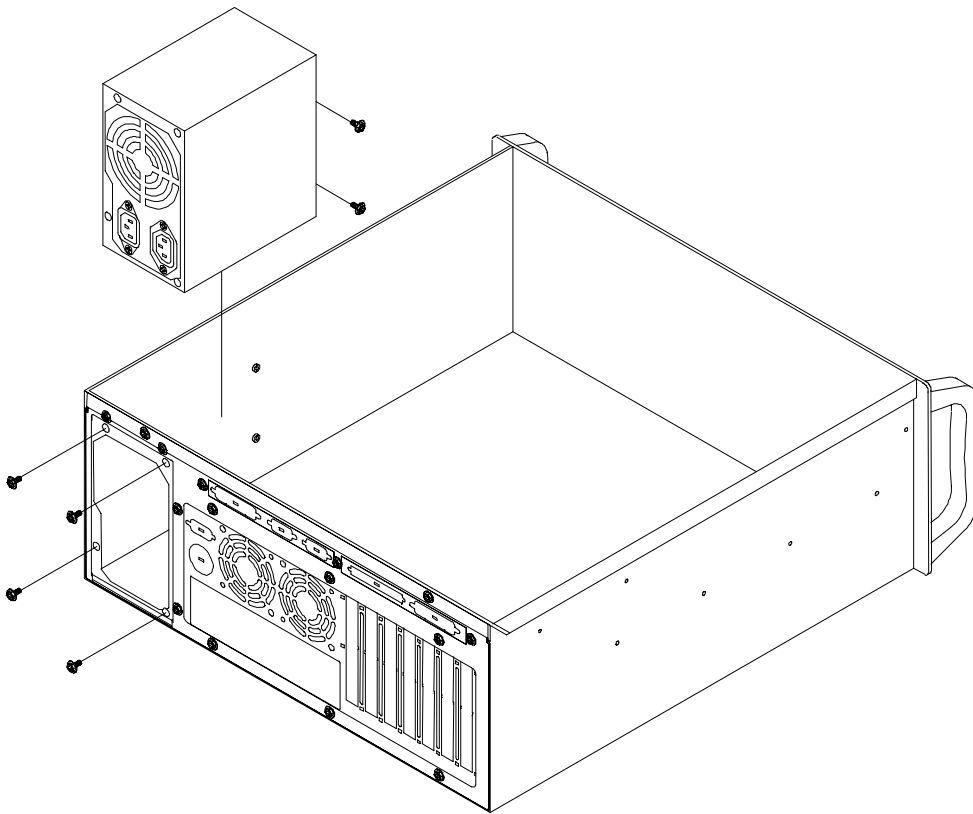
Install / Remove A PS/2 Type Redundant Power Supply

There are 2 models of PS/2 type mini-redundant power supply (TC-300R8, MR2) supported by the chassis. To install or remove the power supply unit, please follow the steps :

1. Screw or unscrew the 6 screws on the power supply unit.
2. Place or remove the power supply unit onto the chassis properly.

There are different types of bracket, you'll need to install the power supply unit into the chassis.
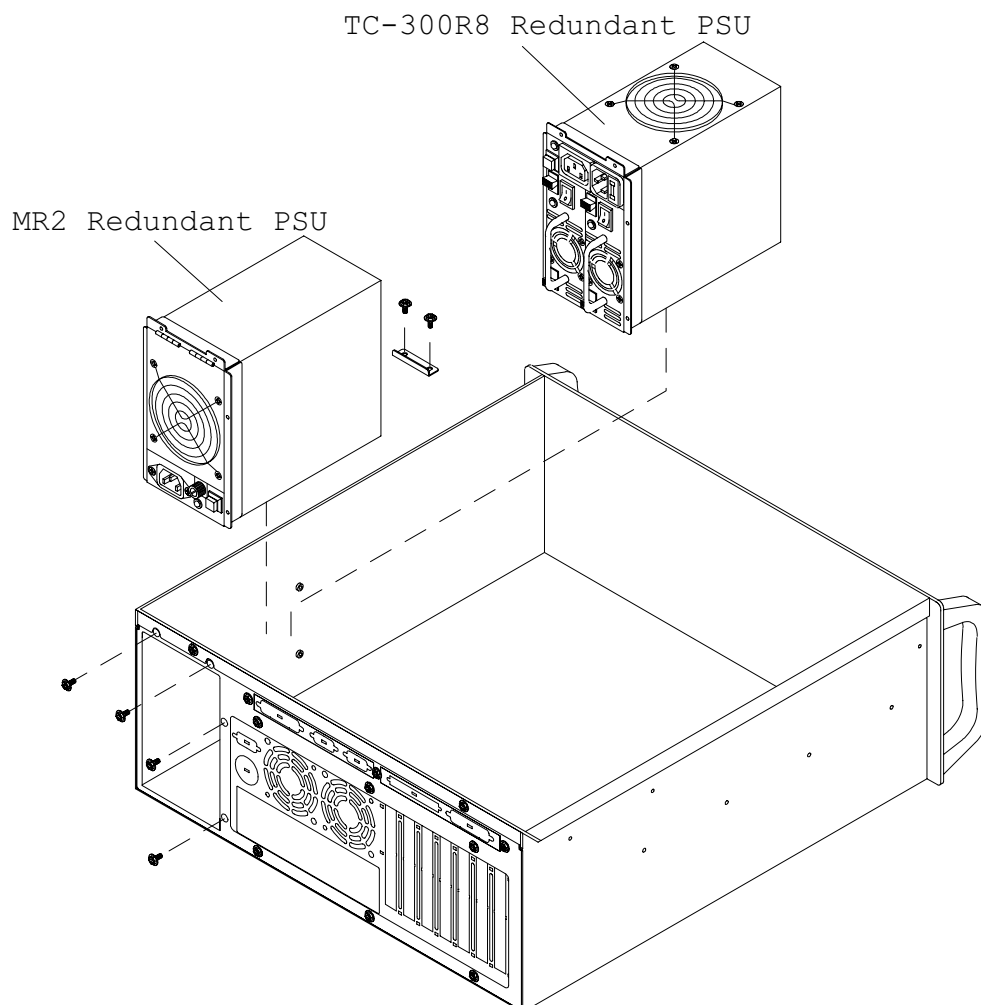
Install A Fan/Thermal Detect Board (Option)

ECR9400 series support IS-F08 Fan Monitor Board to control up to 8 fans. The IS-F08 comprised with 2 thermal sensors and adjustable temperature settings to enable the fan according to the user defined temperature conditions.

To install the Fan Monitor Board, please follow the steps :

1. Open chassis cover.
2. Place and secure the IS-F08 on the left side panel by 4 screws.
3. Refer to the IS-F08 user's manual, connect the power and fan cables as well as place the thermal sensors on to proper position.
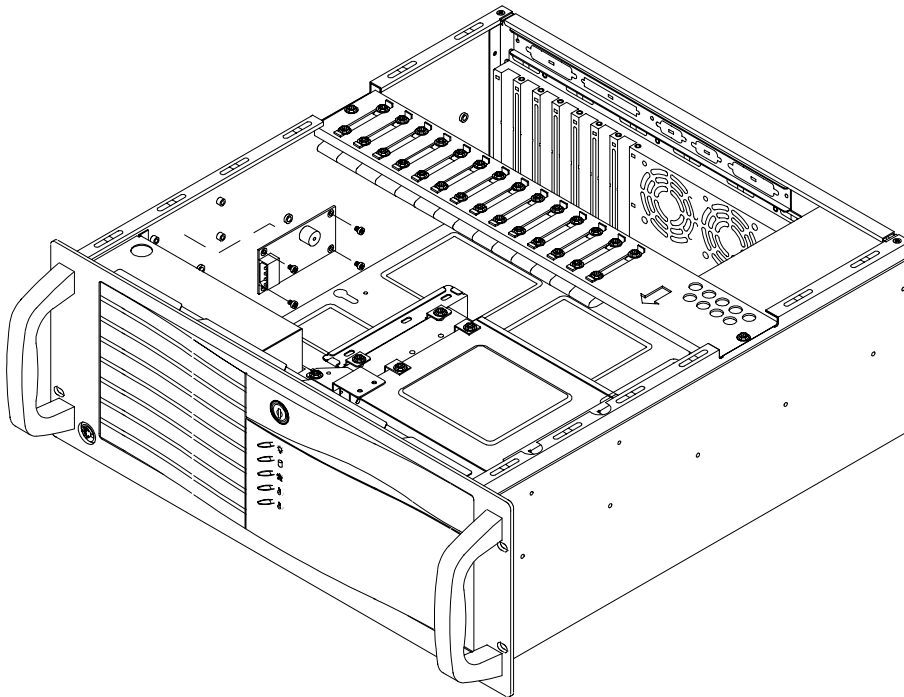
Change A New Air Filter

1. Open the front panel.
2. Press the air filter holder clip and remove the fan holder.
3. Remove and replace a new air filter.
4. Put the air filter holder back to the proper position.
5. Close the front panel.
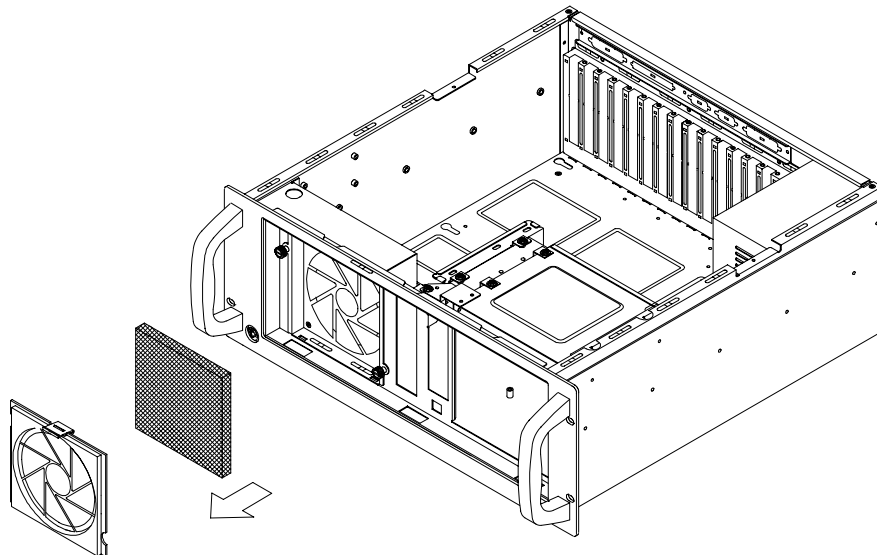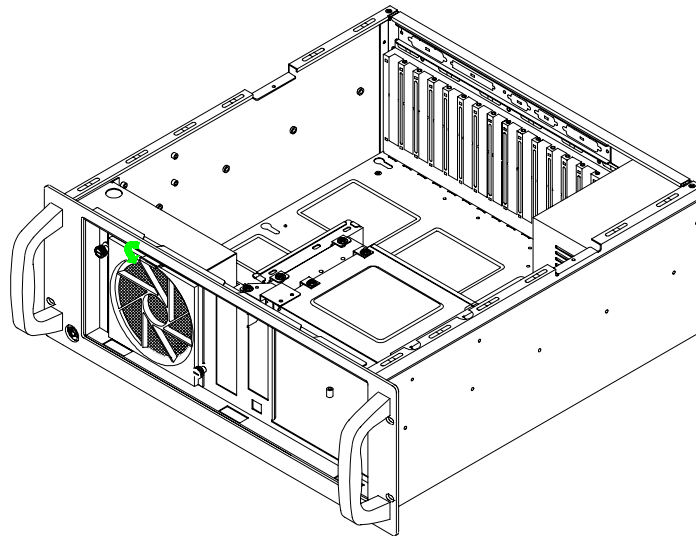
Change The Cooling Fan

1. Open the front panel.
2. Loosen two thumb-screws on the fan holder.
3. Withdraw the whole fan holder module.
4. Disconnect the fan connector from the power supply connector.
5. Remove the air filter. (Refer to the corresponding section.)
6. Unscrew 4 screws to remove the fan and replace by a new fan.
7. Install the air filter. (Refer to the corresponding section.)
8. Connect the fan power connector.
9. Install the whole fan holder module into the chassis
10. Tighten the two thumb-screws on the fan holder.
11. Close the front panel.

Measurements (mm)

173.2

88.5

431.8

470

92

92

92

92

92

41.5

3

482.6

177
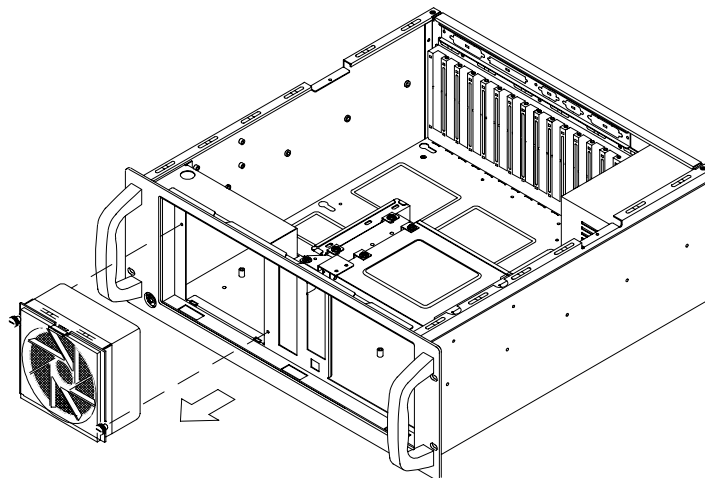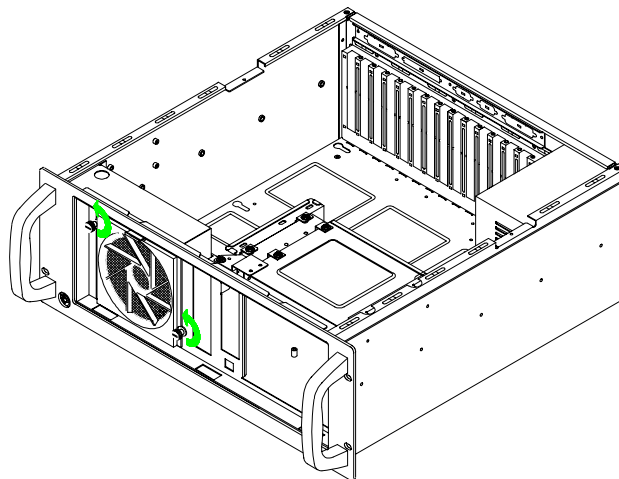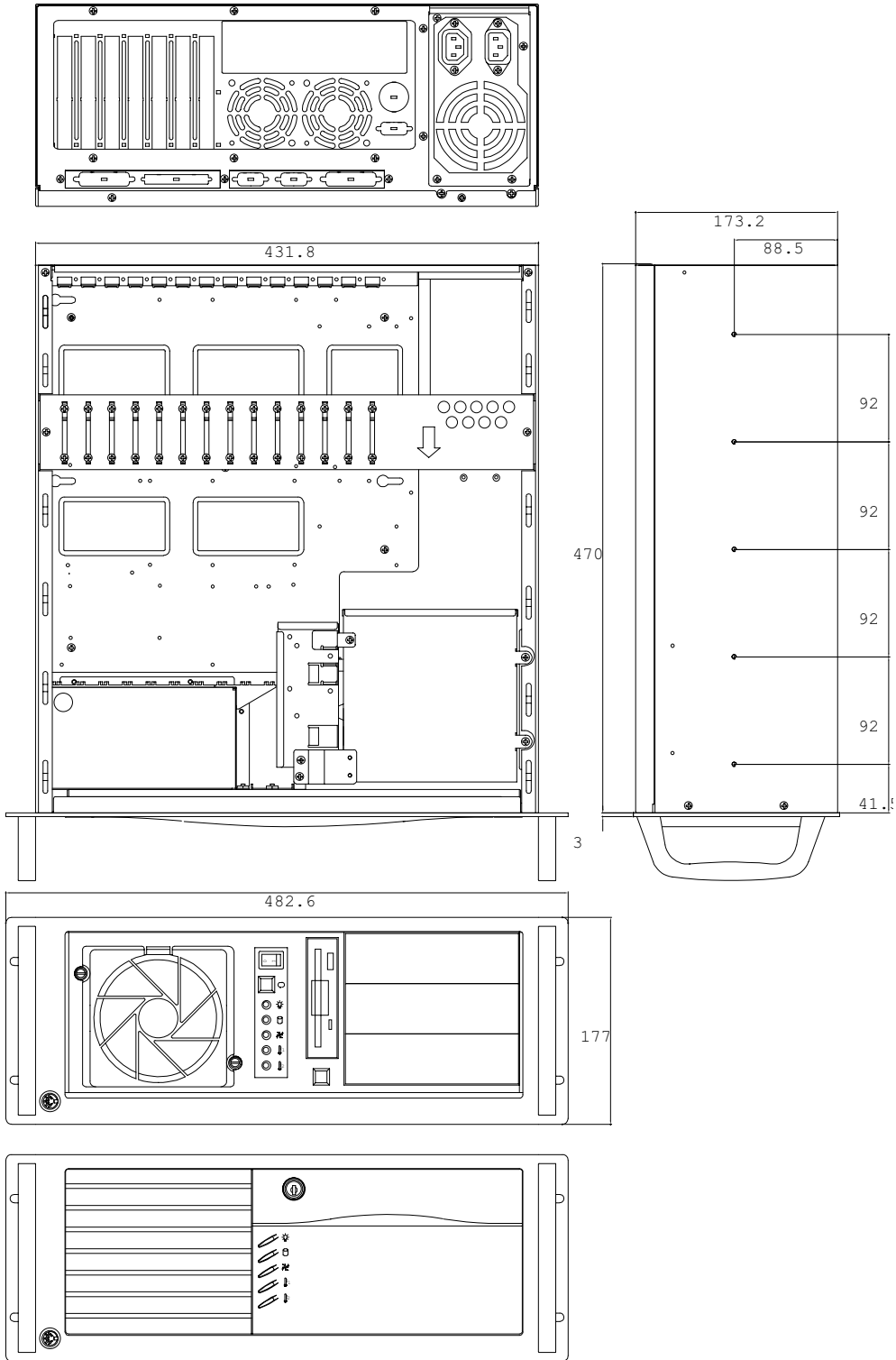
Exploded Diagram
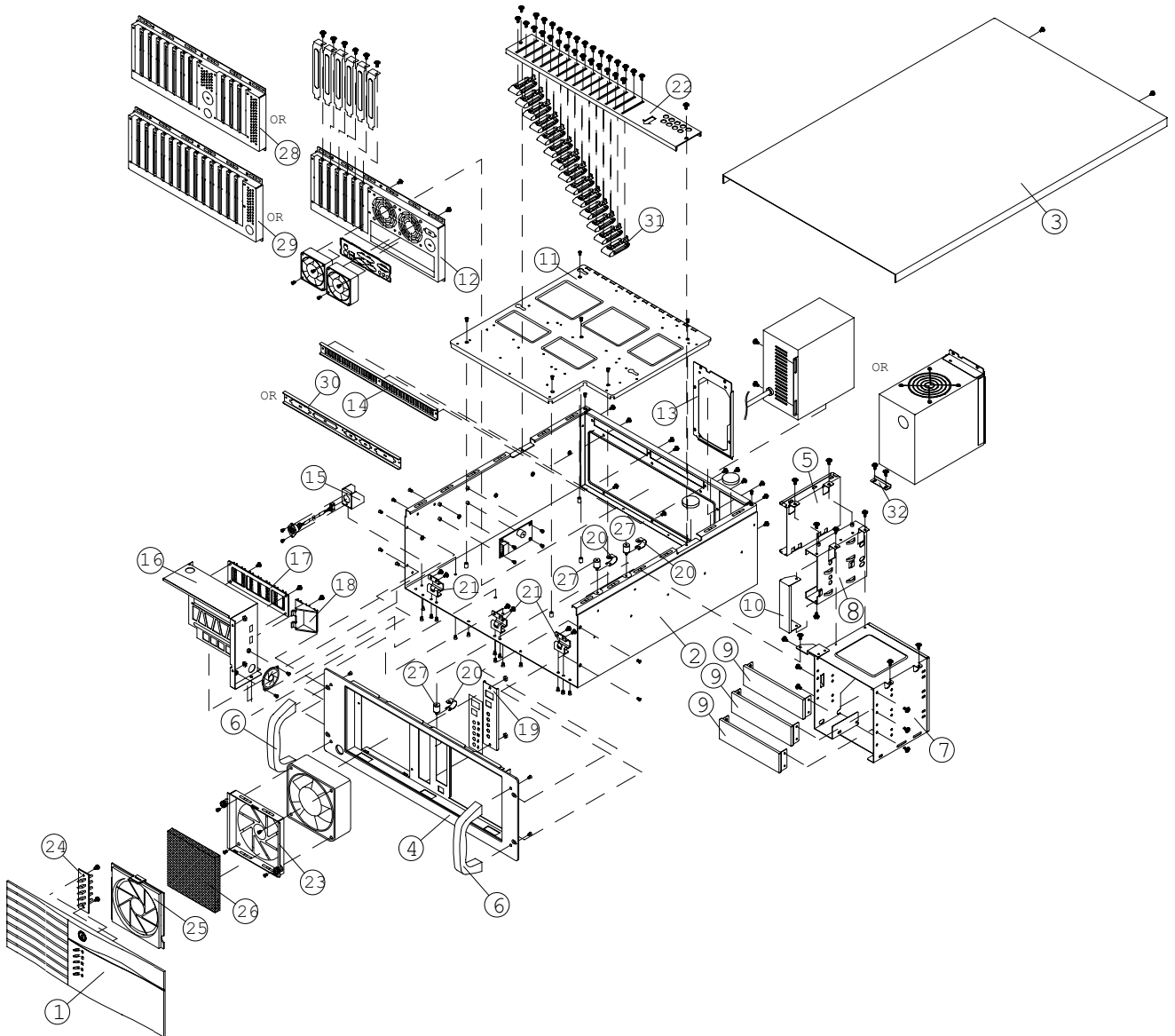
1	Front Panel	9	5.25" Drive Bezel	17	Card Guide(7-slot)	25	Air Filter Holder
2	Chassis	10	3.5" Drive Bezel	18	Card Guide(3-slot)	26	Air Filter
3	Top Cover	11	Main-board Plate	19	Indicator Panel	27	Rubber Cushion
4	Front Panel Set	12	Back-window(ATX)	20	Grounding Clip	28	Back-window(12-slot)
5	Drive Cage	13	PS/2 PSU Bracket	21	Front Panel Hinge	29	Back-window(14-slot)
6	Handle	14	Ventilation Bar	22	Card Retainer	30	Extended I/O Bar
7	3.5" Drive Cage	15	Key-lock Set	23	Fan Frame	31	Card Holder Tab
8	Disk Drive Cage	16	Card Guide Frame	24	LED Lens	32	SPS Stopper