



19" Rackmount Cases

A3211



Enrich Your Product Line and Build Your Brand Awareness

0303-00283

USER'S MANUAL

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1. Introduction

The importance of 19" Rackmount system has increased in the market because it provides not only great flexibility and easy customization, but also easy maintenance and space saving criteria. System such as server, UPS subsystem, data storage subsystem, communication subsystem, control subsystem and other accessory can be easily stacked in the 19" Rackmount cabinet; moreover, any system configuration (such as file server system or web server system) can be realized in the whole 19" Rackmount system configuration.

Due to all the benefits that 19" Rackmount possesses, Chenbro will make the best effort to provide the best total solution for your market demanding and most satisfactory quality.

A3211 is a 2U Rackmount case with feature of enabling 21 servers to be racked in a 42U Cabinet. Therefore, the cooling solution is definitely important. In this chassis, we have **2 x 8cm** standard cooling fans and **4 x 8cm, 1 x 6cm** optional cooling fans. Four of them are available for hot-swap when plug into the Fan Control Board. The sufficient fans make your system really cool.

The case is made of **1.2mm** high quality steel with galvanization. It's mass produced by hard tooling. The bent edges and solid structure relieve your worries in building it up.

In order to offer total solution for your system, we also offer PCI Riser Card for more capacity, Intrusion Switch for security, detachable fan bracket, and HDD tray with handle & thumb screw for easy assembly.

Moreover, to reduce server downtime, Hot-Swappable function is applied in fan control board and HDD backplane. The Hot-Swappable HDDs can even be built as a RAID storage subsystem.

To conclude, this model was designed for Service Provider. Its 2U height enables you to stack servers in parallel to create highly available services. If you want to build a system with big demands but tight budget, A3211 is surely the best choice ready for you.

2. Standard parts

2-1 Disassembly of the Top Cover

1. Loosen three thumb screws.

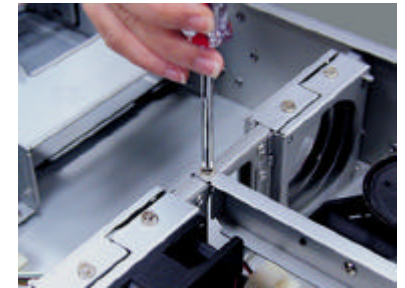
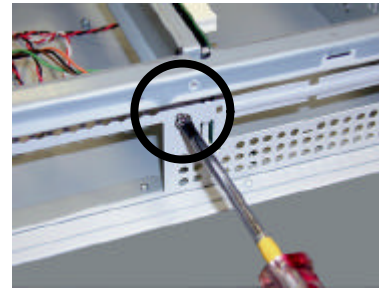


2. Hold the handle and pull it backward.

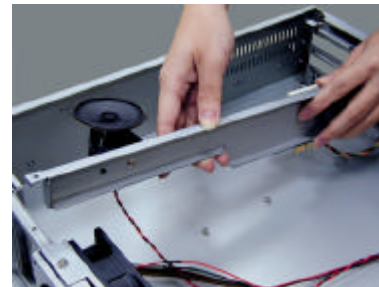


2-2 Disassembly of the Riser Card

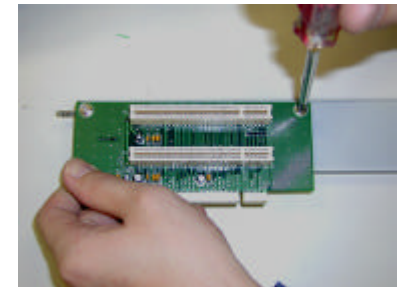
1. Loosen two screws.



2. Remove the riser card divider.



3. Loosen two screws to remove the riser card.

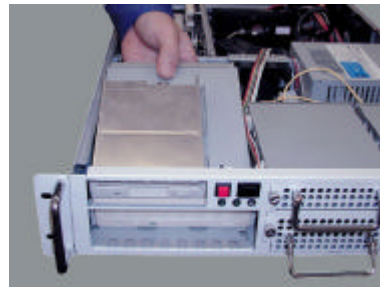


2-3 Installation of 5 1/4" CD-ROM and 3 1/2" FDD Bracket

1. Loosen one screw.
2. Remove the bracket and mount 3 1/2" FDD onto the FDD bracket .



3. Mount 5 1/4" CD-ROM onto the CD-ROM bracket.
4. Slide the bracket into the case and tighten the screw.



2-4 Installation of 3 1/2" (1" and 1.6" Height)

1. Loosen one thumb screw and slide the HDD tray out.

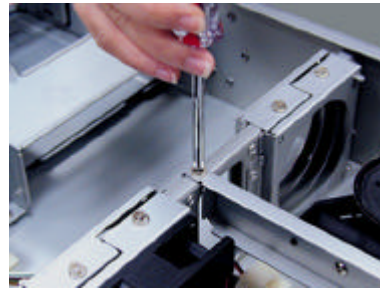


2. Mount 3 1/2" HDD onto the tray.
3. Slide the HDD tray into the chassis and tighten it with one thumb screw.

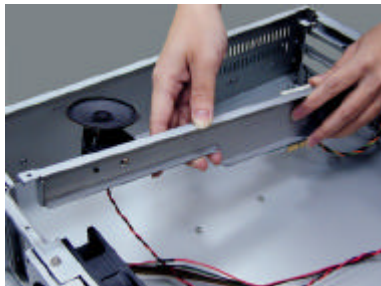


2-5 Installation of Motherboard

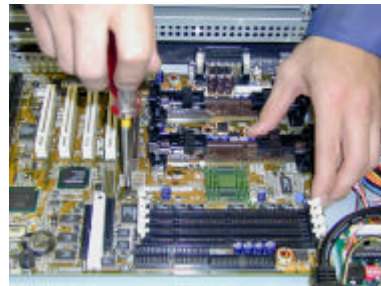
1. Loosen two screws.



2. Remove the riser card divider.



3. Mount the motherboard onto the M/B base.



2-6 Installation of ADD-ON Card

1. Loosen one screw and remove the Slot holder.



2. Plug the daughter board into the 1st or the 3rd (as shown in the photo below) PCI slot then install the Add-on cards.

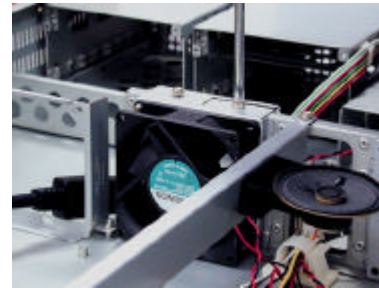


2-7 Disassembly of the Fan

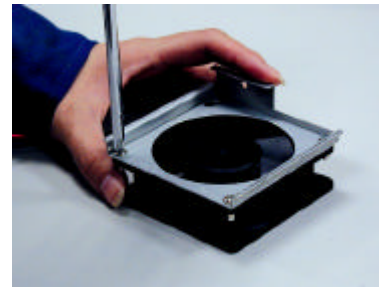
3. Slid in the Slot holder and tighten the screw.



1. Loosen one screw and slide out Fan bracket.

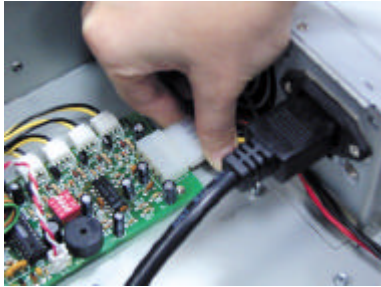


2. Loosen three screws, take off the Fan and change a new one.

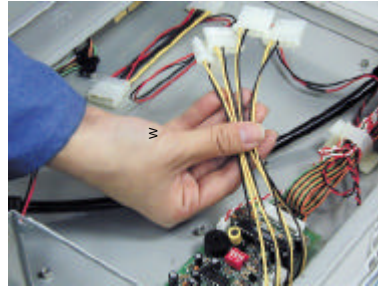


2-8 The Instruction of Fan Control Board

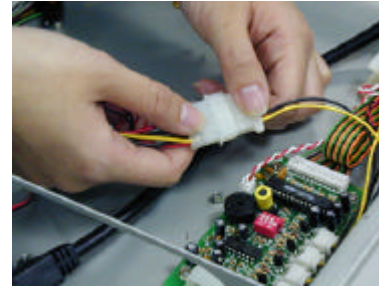
1. To enable the Fan control board, please find a four pin connector from the Power Supply and plug into it.



2. There are four connectors reserved for four fans.



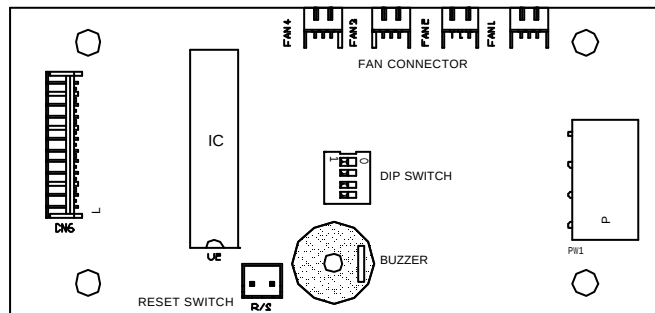
4. Plug the fan connectors to the Control Board.



5. To activate the fan, please turn the correspond dip switch to "on" position.



3. The drawing below shows the layout of the control board. Please notice there are four fan connectors and four dip switches on the control board. The dip switch 1 to 4 correspond to Fan 1 to 4.



Drawing of Fan Control Board

3. Optional Parts

3-1 Installation of the Power Supply

1. Loosen two screws to remove the Power cover and tighten the Power onto the cover with four screws.

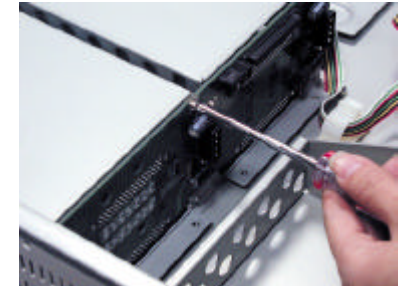


2. Place the Power Supply into the case and tighten the Power cover with two screws. Please remember to plug our extended AC cord into the Power Supply.



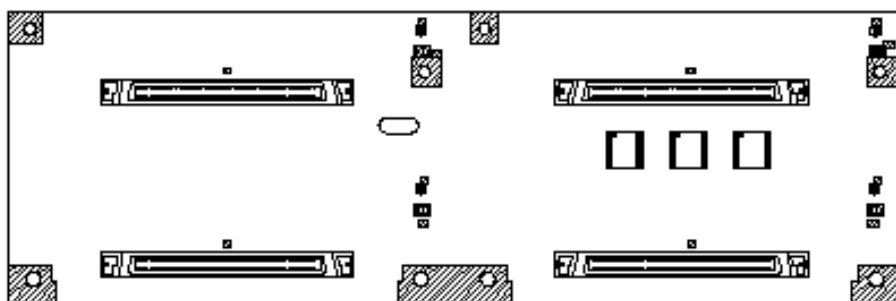
3-2 Installation of Backplane

1. Tighten the backplane bracket onto the backplane with four screws.
2. Mount the backplane onto the HDD cage with four pan head screws.



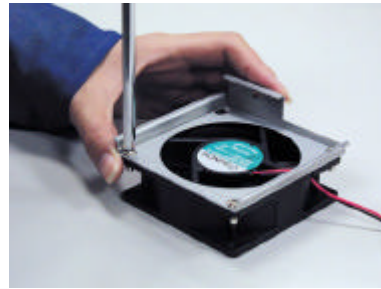
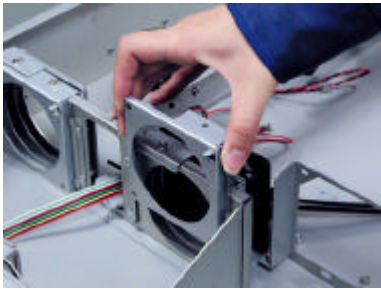
3. Tighten the backplane bracket onto the case base with four hex screws.



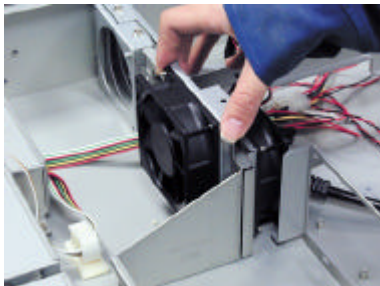


3-3 Installation of Optional Fan in the middle

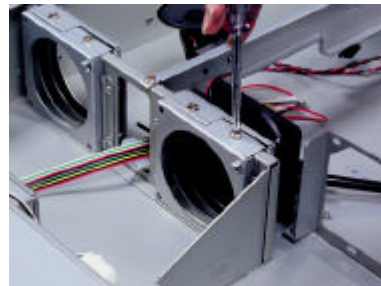
1. Loosen one screw to remove the Fan bracket .
2. Install the 8cm optional cooling fan.



2. Slide the bracket into the case.



4. Tighten the screw back.



3-4 Installation of Optional Fan at the back

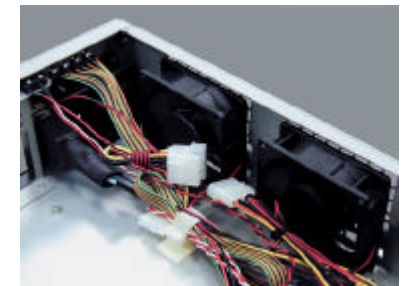
1. Loosen two screws to remove the Fan bracket and Install the 8cm optional cooling fan.



2. Screw the 6cm optional cooling fan onto the back of the case.

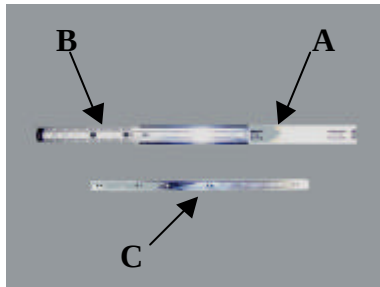


3. Installation finished.



3-5 Rackmount to the Cabinet

1. The Sliding rail is composed by three separate parts.



Part A: The widest rail.
Part B: The 2nd widest rail.
Part C: The narrowest rail.

3. Install four mounting plates onto the outer sides of the cabinet.



2. Install Part C onto the sides of the case with screws.



4. Install Part A, B onto the inner side of the cabinet.



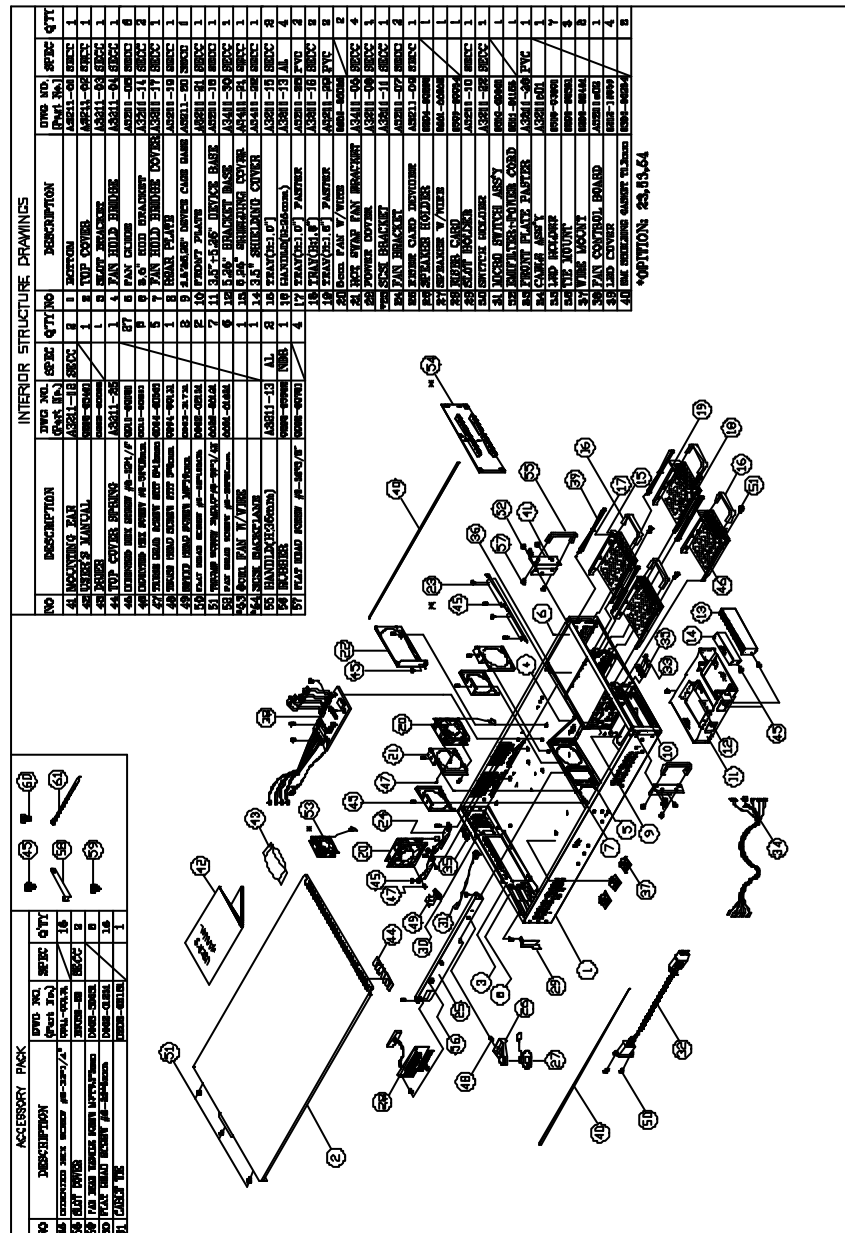
5. Slide the whole case into the cabinet.



6. Fix up the mounting ears onto the cabinet with screws.



4. Internal Drawing



5. Part No.

Thank you for the purchase of the Rackmount case. This case has different model for your choice. For certain configuration, we use the different model no. as below.

Model No.	Type	Slot bracket	Color
A3211-207	Rackmonut	ATX 2 Slot	White
A3211-107	Rackmount	ATX 2 Slot	Black

- ◆ We offer different types of ATX I/O shield. Please check it with your vendor.
- ◆ Each box you received should consist of the followings:
 - (1) Complete case x 1
(including PCI Riser Card, AC Cord , Fan Control Board and Power Supply cover)
 - (2) Accessory kits pack x 1
 - (3) User' s manual x 1