



LANBOX™

VF1000 Series

Mini Chassis on the Move

User's Manual



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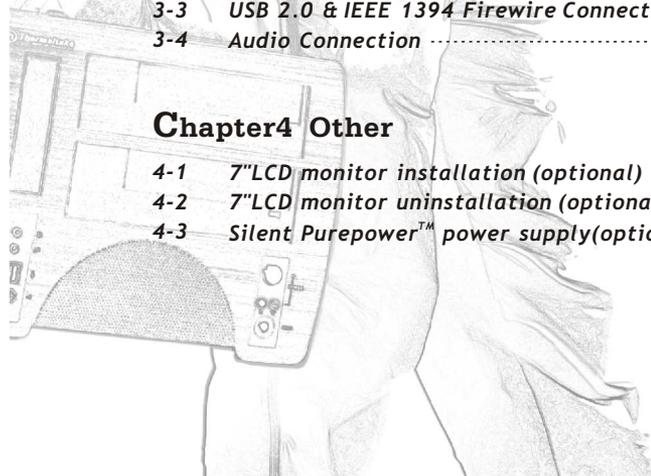
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Chapter 1. Product Introduction

Specification

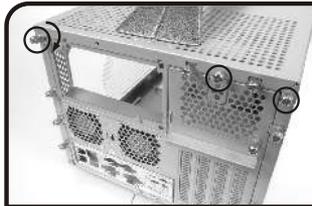


Model	VF1000BWS	VF1000BNS
Case Type	Gaming Cube	
Dimension (W*D*H)	300 x 430 x 280 mm 11.8 X 16.9 X 11.0 inch	300 x 430 x 230 mm 11.8 X 16.9 X 9.05 inch
Carrying Handle	Yes	N/A
Window side panel	Window	N/A
Front Panel Material	Aluminum	
Chassis Material	SECC	
Color	Black	
Cooling System	- Front : 90mm fan with blue LED x 1, 1500rpm - Rear : 60mm fan x 2, 1800rpm (up to 60mm fan x 3)	- Front : 90mm fan x 1, 1500rpm - Rear : 60mm fan x 2, 1800rpm (up to 60mm fan x 3)
Motherboard	Micro ATX form factor & mini ITX form factor	
Drive Bays	- 7" x 1 (could be converted to 5.25" drive bay) - 5.25" x 1 - 3.5" x 3 (Exposed x 1, Hidden x 2)	
Front I/O	USB 2.0 x 2, IEEE 1394 Firewire, HD-Audio	
Expansion Slots	4	
Weights	7.5 kg / 16.53 lb	6.7 kg / 14.77 lb
Upgraded Kit (optional)	7" Bay LCD monitor (P/N: 2413-01)	

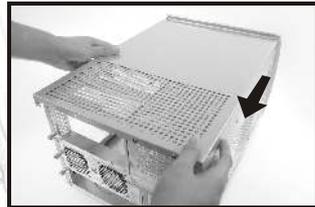
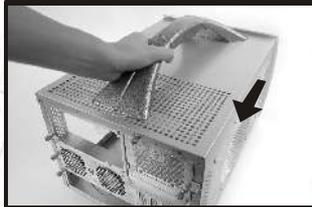


Model	VF1000SWA	VF1000SNA
Case Type	Gaming Cube	
Dimension (W*D*H)	300 x 430 x 280 mm 11.8 X 16.9 X 11.0 inch	300 x 430 x 230 mm 11.8 X 16.9 X 9.05 inch
Carrying Handle	Yes	N/A
Window side panel	Window	N/A
Front Panel Material	Aluminum	
Chassis Material	Aluminum	
Color	Silver	
Cooling System	- Front : 90mm fan with blue LED x 1, 1500rpm - Rear : 60mm fan x 2, 1800rpm (up to 60mm fan x 3)	- Front : 90mm fan x 1, 1500rpm - Rear : 60mm fan x 2, 1800rpm (up to 60mm fan x 3)
Motherboard	Micro ATX form factor & mini ITX form factor	
Drive Bays	- 7" x 1 (could be converted to 5.25" drive bay) - 5.25" x 1 - 3.5" x 3 (Exposed x 1, Hidden x 2)	
Front I/O	USB 2.0 x 2, IEEE 1394 Firewire, HD-Audio	
Expansion Slots	4	
Weights	4.2 kg / 9.25 lb	3.4 kg / 7.50 lb
Upgraded Kit (optional)	7" Bay LCD monitor (P/N: 2413-01)	

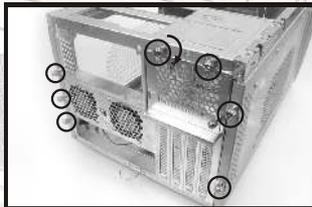
2-1 How to open the top panel



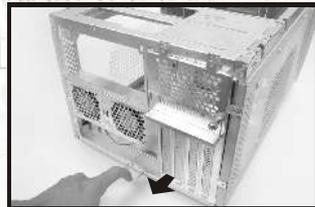
1 Unscrew the 3 screws shown to open the top panel.



2 Pull back the top panel as shown to loosen the panel.

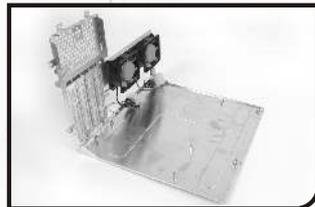


3 Unscrew the 7 screws shown to unlock the motherboard tray.

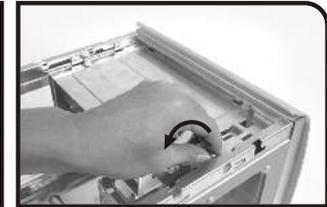
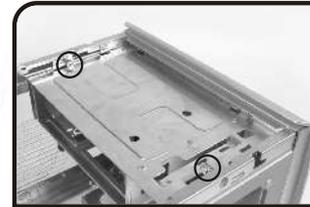


4 Tug on the ring and pull back as shown to remove the motherboard tray.

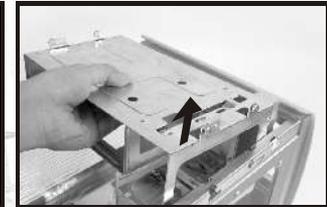
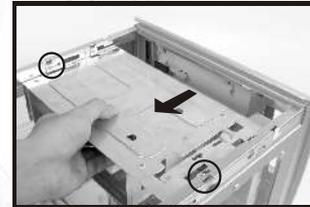
5 The motherboard tray



2-2 5.25" device installation



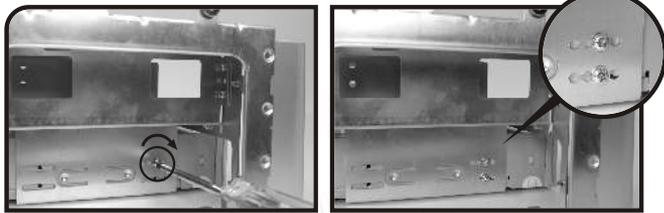
1 Unscrew the 2 screws as shown to slide back the optical drive tray.



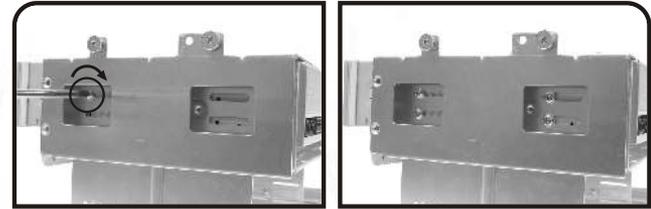
2 Pull back, then pull up to remove the optical drive tray.



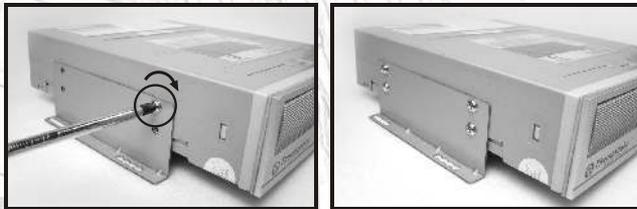
3 When installing optical drives, it is recommended to screw into the 2nd hole as shown for a flush installation.



4 Screw in the optical drive on the opposing side.



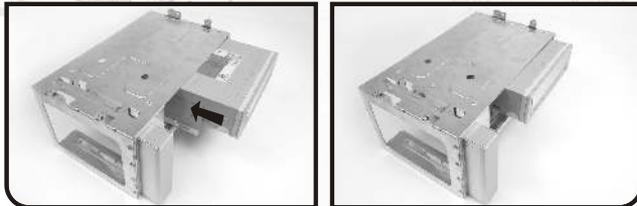
7 Secure the optical drive on the opposing side as well.



5 When installing an optical drive on the top bay, please install the metal adaptor first as shown.



8 Secure the top optical drive bay as shown.

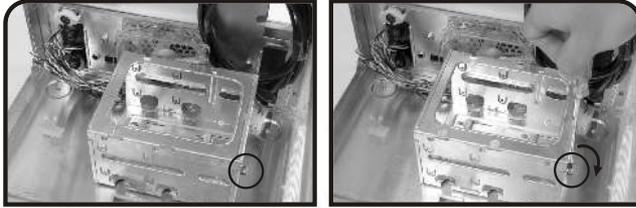


6 Slide in the optical drive from the front.

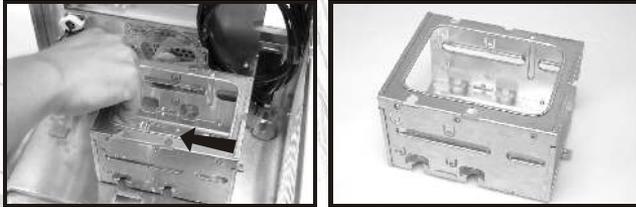


2-3 HDD installation

2-3-1 Install HDD on the HDD rack



1 Unscrew the screw shown to remove the HDD rack.



2 Slide over the HDD rack as shown to remove.

3 The HDD rack.

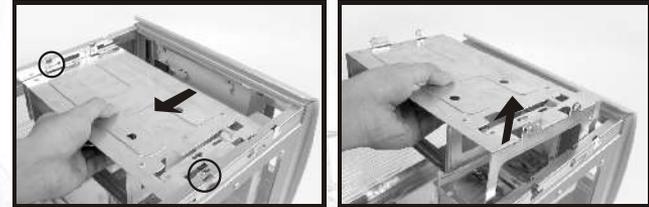


4 Secure HDDs using screws when installing in the HDD rack.

2-3-2 Install HDD on the side of optical drive tray



1 Unscrew the 2 screws as shown to slide back the optical drive tray.



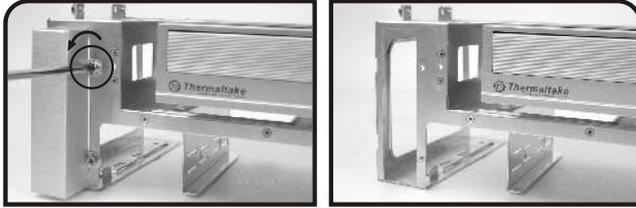
2 Pull back, then pull up to remove the optical drive tray.



3 A HDD can be installed on the side by securing 4 screws.

4 Screw in both sides of the HDD.

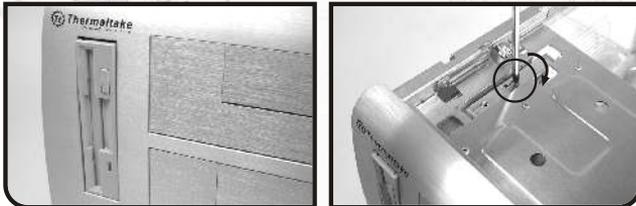
2-4 Installing 3.5" device



- 1 If a floppy drive is to be installed, please remove the bay cover first.

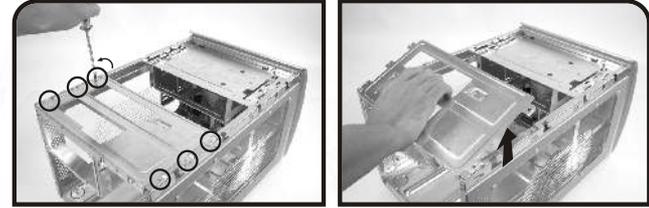


- 2 Secure the floppy drive on the opposing side as shown.



- 3 Please make sure the floppy drive is flush with the front panel.
- 4 Secure the floppy drive using screws as shown.

2-5 Installing power supply



- 1 Unscrew the 6 screws holding in the top power supply tray.
- 2 Lift out the power supply tray as shown.

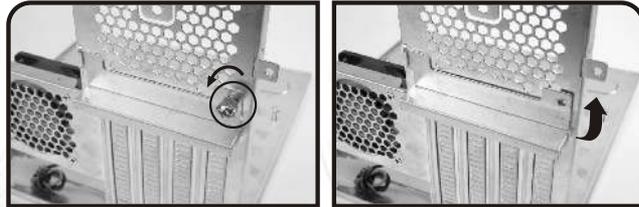


- 3 The power supply tray.

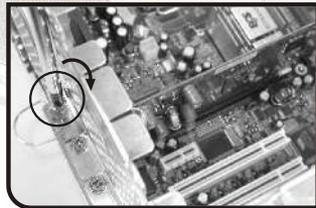
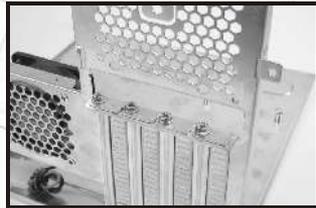


- 4 Install the power supply unit onto the power supply tray as shown. If using a power supply with a 120mm fan, please make sure the fan is exposed on the top side.

2-6 Installing graphics and PCI expansion cards

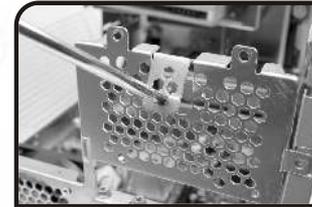


- 1 Remove the screw as shown to install graphics and PCI expansion cards.

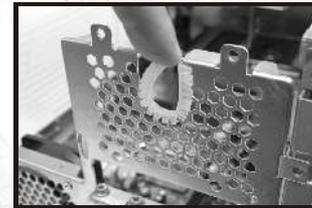


- 2 When installing a graphic or PCI expansion card, please screw on the card as shown.

2-7 Installing coolant tubes



- 1 If a liquid cooling system is to be installed, please pry off the top tab of the motherboard tray as shown.

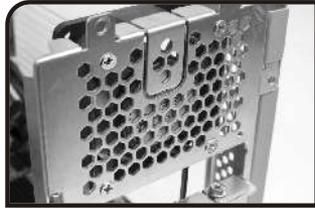


- 2 Please install the rubber tube protector as shown.



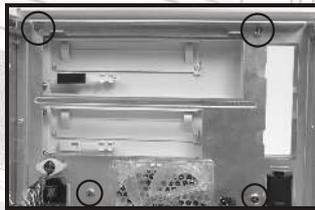
- 3 Coolant tubes may be installed as shown when using a liquid cooling system (optional).

2-8 Installing 60mm fan



- 1 An optional 60mm fan can be purchased and installed on the motherboard tray as shown.

2-9 Clean the intake filter



- 1 To clean the intake filter, please remove the 4 screws as shown.



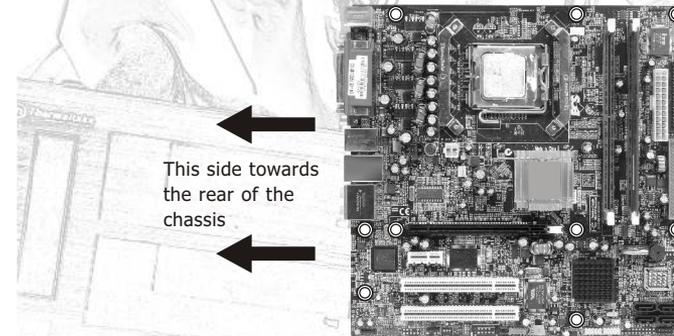
- 2 Intake filter in the front panel.

3-1 Motherboard Installation

Each motherboard has different standoff layout. It is highly suggested that you refer to your motherboard's manual when installing motherboard into the Case. The cases are applicable with Standard Micro ATX and mini ITX motherboards. Your motherboard may require a special I/O Panel, which should be included with your motherboard.

Placement Direction:

When installing the motherboard, make sure you follow the direction provided by your motherboard manufacturer. On most standard motherboards, the edge with external ports goes to the rear part of the chassis. It is highly recommended that you install CPU, heat sink and modular components before fixing the motherboard inside the chassis.



This side towards the rear of the chassis

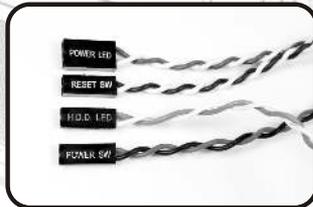
The locations of the screw holes. Note these locations and place included standoffs on the chassis first.

Above illustration is a sample of what the motherboard's layout. For more detail screw hole placement, please refer to your motherboard manual.

3-2 Case LED connections

On the front of the case, you can find some LEDs and switch leads (POWER SW*1, POWER LED*1, H.D.D. LED*1, RESET SW*1) Please consult user manual of your motherboard manufacturer, then connect these leads to the panel header on the motherboard. These leads are usually labeled; if not, please trace them back to the case front to find out their source.

- **POWER LED** connects to your M/B at the PLED
- **POWER SW** connects to the PWR connector on the motherboard.
- **H.D.D LED** connects to the eSATA connector shown as picture(3.5)
- **RESET SW** connects to the RSW connector on the motherboard
- **SPEAKER** connector: find out the 4-pin labeled SPEAKER on the M/B then connect it.

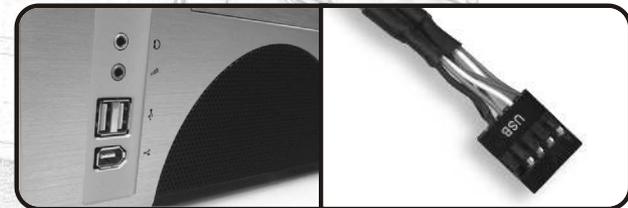
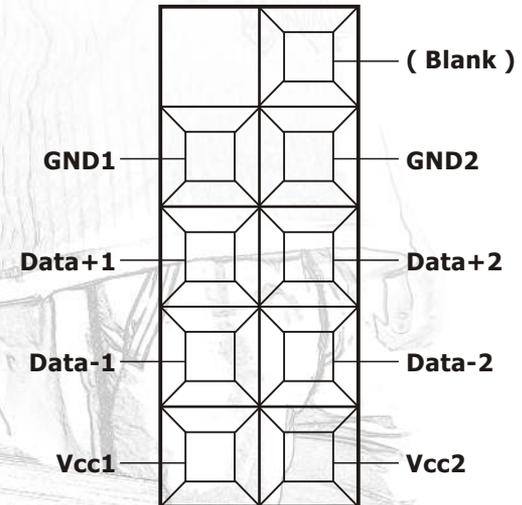


3-3 USB 2.0 & IEEE 1394 Firewire Connection

USB connection

Please consult your motherboard manual to find out the section of "USB connection".

USB2.0

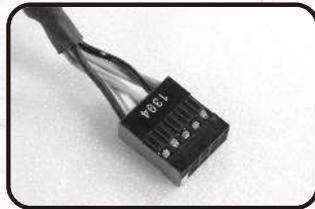
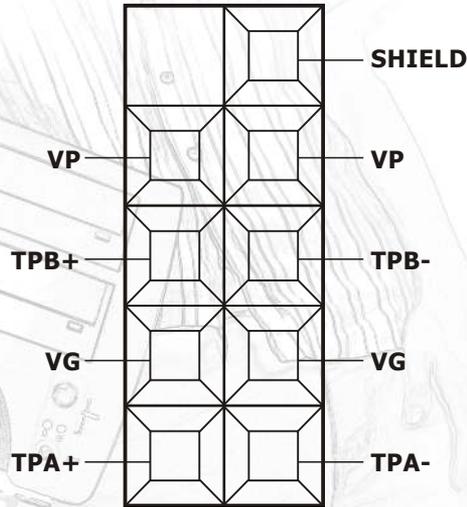


3-4 Audio Connection

IEEE1394 Firewire connection

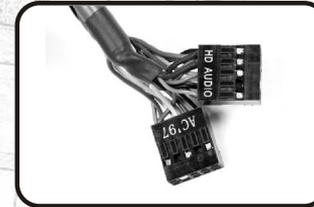
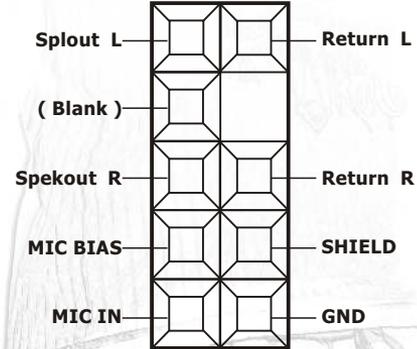
Please consult your motherboard manual to find out the section of "IEEE1394 Firewire connection".

IEEE 1394

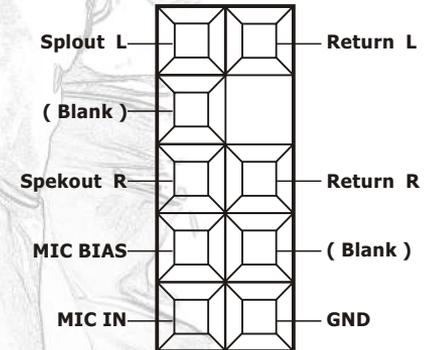


Please check your motherboard ,does it support AC'97 or HD-Audio(AZALIA) , choose one of them to connect.

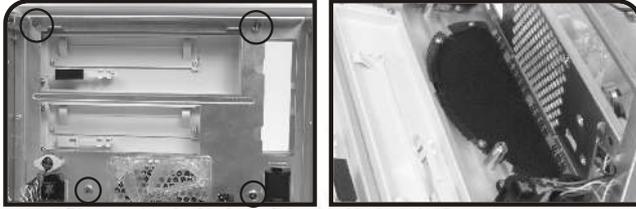
HD AUDIO(AZALIA)



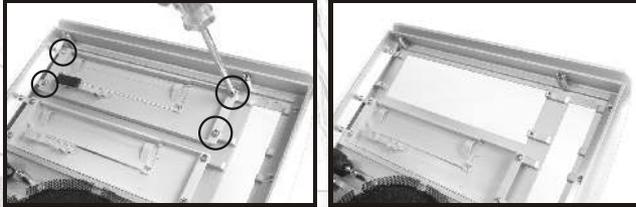
AC'97



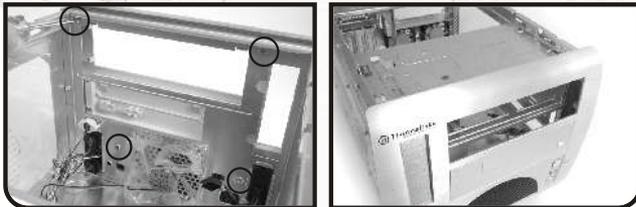
4-1 7"LCD monitor installation (optional)



1 Please remove the 4 screws as shown.

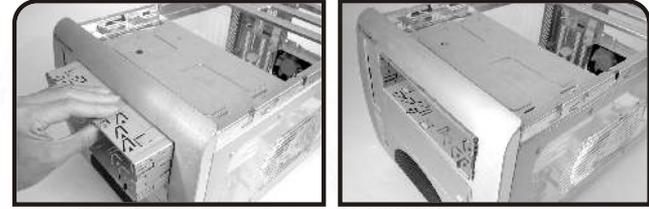


2 Unscrew the 7" drive bay cover screws as shown.

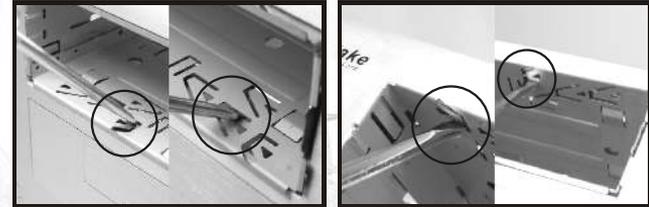


3 Remove optical drive tray then secure front panel with 4 screws as shown

4 Install back the optical drive tray.



5 Install the 7" cage onto the 7" drive bay



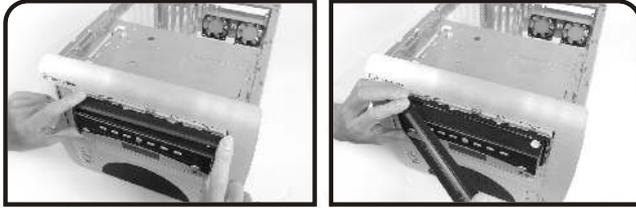
6 Push all the metal clips to fix the cage.



7 Insert the 7"device.

8 Install the frame.

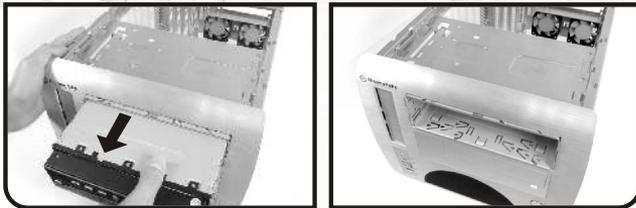
4-2 7"LCD monitor uninstallation (optional)



1 Remove the frame as shown.



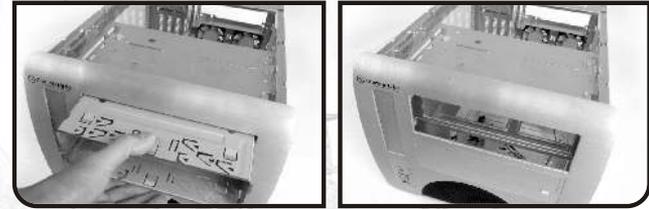
2 Insert the device removing tool as shown.



3 Pull out the 7" drive bay as shown.



4 Pull back all the metal clips for removing the cage.



5 Pull out the Cage.

6 Finish uninstallation.

4-3 Silent Purepower™ power supply(optional)

The Thermaltake Silent™ Purepower™ specification meets Intel Pentium 4 and AMD K8; it offers plenty of functions, which mainly include:

1. Automatic Fan Speed Control: The Silent Purepower™ power supply can detect the inside heat and automatically adjust the fan speed to provide adequate airflow.
2. Ultra Silent: Ball bearing fans with high reliability and super low acoustic noise under all load condition.

The functions can assure the Silent Purepower™ meet the balance in noise control and heat exhausted. The Silent Purepower™ provides complete protection function as follow:

1. Over thermal protection at 100oC-105oC
2. Short circuit protection on all output.
3. Over voltage protection / Under voltage protection.
4. Over current protection.

Besides, Thermaltake enables the quality assurance of the Silent Purepower™: 100% Hi-POT and ATE Function Test, 100% Burn-In and AC Input cycled on/off under high temperature condition. Furthermore, it has been approved by UL, CSA, TUV, VDE, NODIC, CB, FCC, CE, CNS.



There are three main products of Thermaltake PSU, it is divided into standard, VR and specialty power supply unit. Please refer to <http://www.thermaltake.com/purepower/main.htm>

