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COOLall YOUR LIFE

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Thermaltake

COOLall YOUR LIFE

Aguila

VD1000 Series

User's Manual



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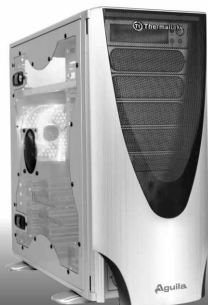
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VD1000SNA & VD1000SWA



VD1000SNA



VD1000SWA

Model	VD1000SNA	VD1000SWA
Case Type	Middle Tower	
Side Panel	-	Transparent Window
Net Weight	6.11 kg	6.33 kg
Dimension (H*W*D)	478.0 mm x 210.0 mm x 520.0 mm	
Cooling System	Front (intake) : 120x120x25mm, 1300rpm, 17dBA	Front (intake) : 120x120x25mm, 1300rpm, 17dBA
	Rear (exhaust) : 120x120x25mm, 1300rpm, 17dBA	Rear (exhaust) : 120x120x25mm blue LED fan, 1300rpm, 17dBA
Drive Bays -Front accessible -Internal	11 5 x 5.25".2 x 3.5" 4 x 3.5"	
Material	Chassis : 0.8mm all aluminum Front bezel : Aluminum	
Color	Silver	
Expansion Slots	7	
Motherboards	12" x 9.6" (ATX) & 9.6" x 9.6" (Micro ATX)	
PSU	Standard ATX PSII	
I/O Ports	USB 2.0 x 2, IEEE 1394 x 1, Audio & Speaker ports	

VD1000BNS & VD1000BWS



VD1000BNS



VD1000BWS

Model	VD1000BNS	VD1000BWS
Case Type	Middle Tower	
Side Panel	-	Transparent Window
Net Weight	11.18 kg	10.98 kg
Dimension (H*W*D)	478.0 mm x 210.0 mm x 520.0 mm	
Cooling System	Front (intake) : 120x120x25mm, 1300rpm, 17dBA	Front (intake) : 120x120x25mm, 1300rpm, 17dBA
	Rear (exhaust) : 120x120x25mm, 1300rpm, 17dBA	Rear (exhaust) : 120x120x25mm blue LED fan, 1300rpm, 17dBA
Drive Bays -Front accessible -Internal	11 5 x 5.25".2x 3.5" 4 x 3.5"	
Material	Chassis : 0.8mm SECC Front bezel : Aluminum	
Color	Black	
Expansion Slots	7	
Motherboards	12" x 9.6" (ATX) & 9.6" x 9.6" (Micro ATX)	
PSU	Standard ATX PSII	
I/O Ports	USB 2.0 x 2, IEEE 1394 x 1, Audio & Speaker ports	

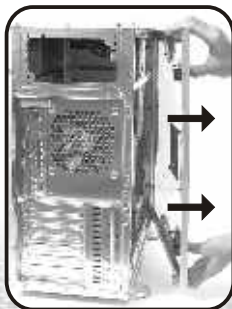
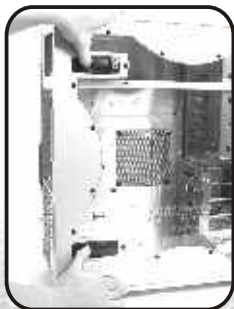
Chapter2 Case Mechanical Operation

2.1 How to open the side panel

- 1 Please find the side panel key in the back of the chassis, and open the side panel as shown below.
- 2 Make sure the side panel lock is opened.



- 3 Push the button then swing out the side panel.



2.2 Lock operation



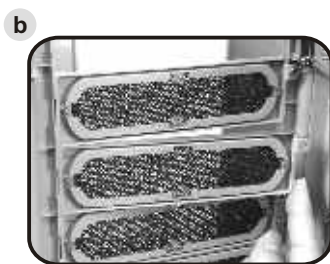
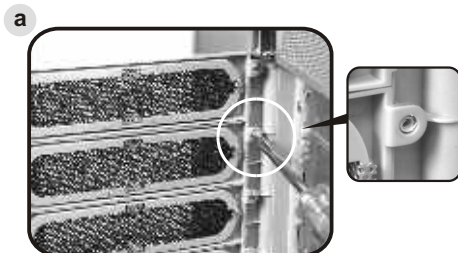
Insert the provided key and turn it counterclockwise.



Turn it counterclockwise 90° to open the whole front panel.

2.3 5.25" device installation

- 1 Unscrew and remove the 5.25" cover with mesh and black sponge.



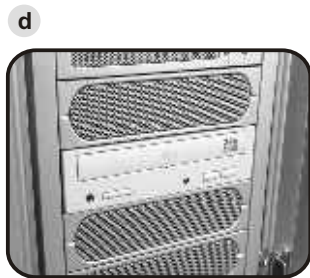
- 2** Unscrew the 5.25" drive bay metal cover.



- 3** Find the drive bay rails from the enclosed box. Please note the different between the right(R) & left (L) rails.

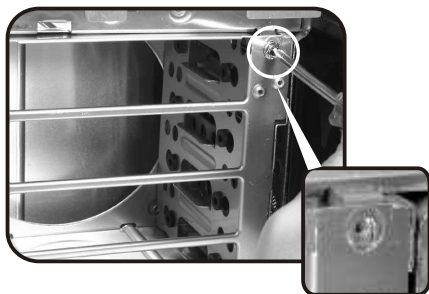


- 4 Insert the railed device into the 5.25" drive bay then slide it along the fixed-positioning rack inside the 5.25" cage.

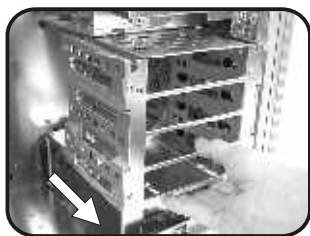


2.4 HDD installation

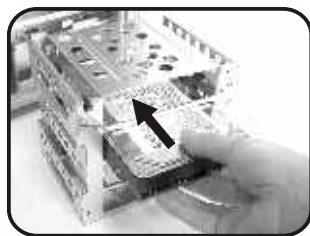
- 1 Unscrew the HDD cage as shown.



- 2 Pull the cage out.



- 3 Insert HDD drive into the cage.



- 4 Fasten the HDD using the screw.



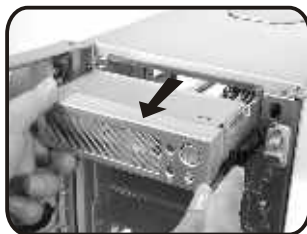
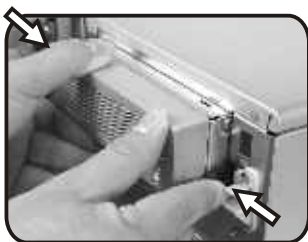
- 5 Slide the cage into drive bay then screw up the screw.



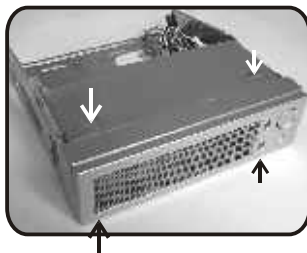
2.5 Installing 3.5" device & HDD to drive tray with power button

2.5.1 Install 3.5" device to drive tray with power button.

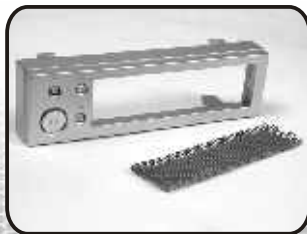
- 1** Slide the drive rails out-ward to remove the drive tray.



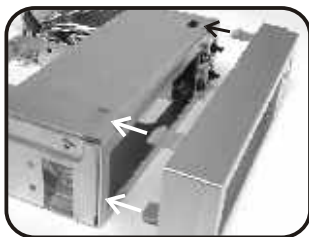
- 2** Squeeze both top and bottom portion of drive tray cover to remove it.



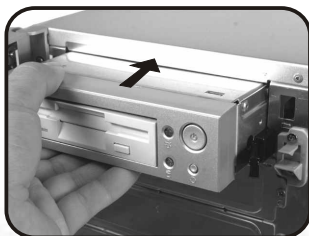
- 3** Remove the mesh from cover.



- 4 Place cover back to drive tray to its original position. Insert 3.5" device and secure device with screw.

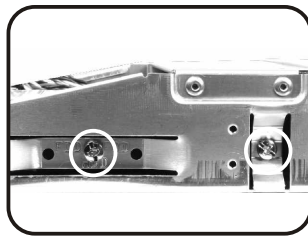


- 5 Insert the railed device into the 5.25" drive bay then slide it along the fixed-positioning rack inside the 5.25" cage.

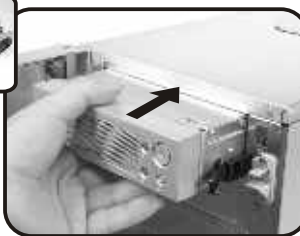


2.5.2 Install HDD drive tray with power button.

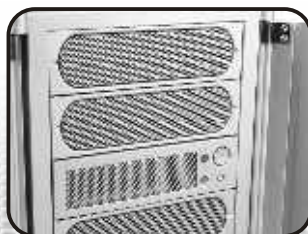
- 1 Place and fasten the device by screws.



- 2 Insert the railed device into the 5.25" drive bay then slide it along the fixed-positioning rack inside the 5.25" cage.

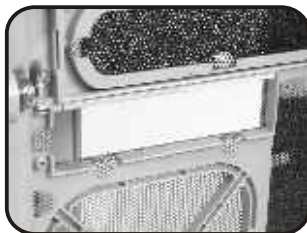


- 3 Drive tray with Power Button can be placed at any drive bay as desired.

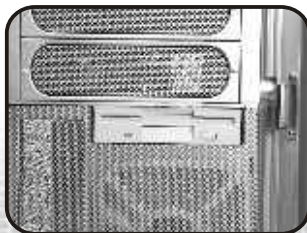
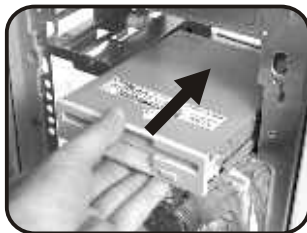


2.6 Installing 3.5" device

- 1 Remove the mesh and the black sponge from the front panel.



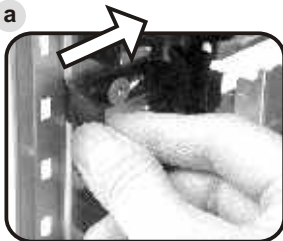
- 2 After placing 3.5" device, secure the device with screws.



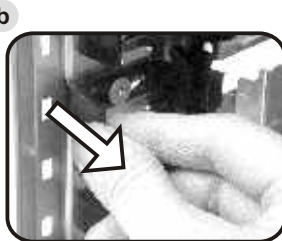
2.7 PCI slot tool-free usage

- 1 Release the plastic clip as follow.

a



b



c



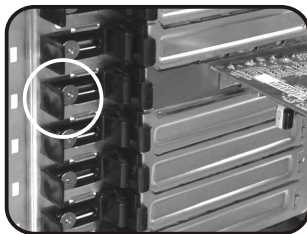
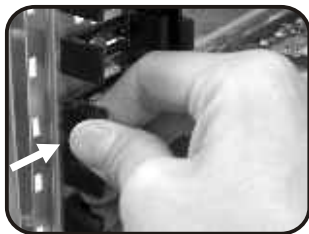
- 2 Take off the PCI bracket.



- 3 Locate Graphic Card to the motherboard through fixing it on the space of PCI bracket and insert it to the PCI slot.

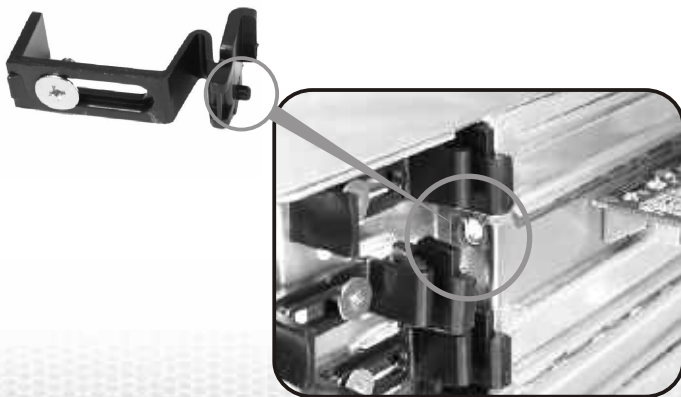


- 4 Push back the plastic clip to secure the Graphic Card.



Notice:

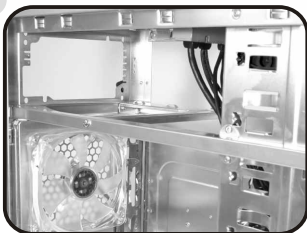
Fix the pin into the hole securely.



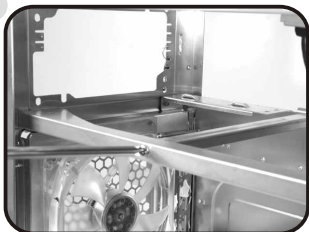
2.8 Installing Power Supply

- 1 Take off both side panels and unscrew the supporter.

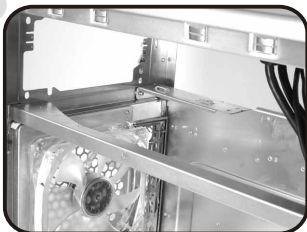
a



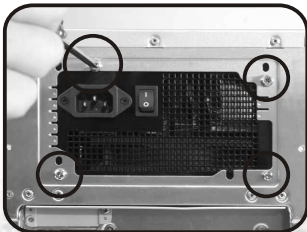
b



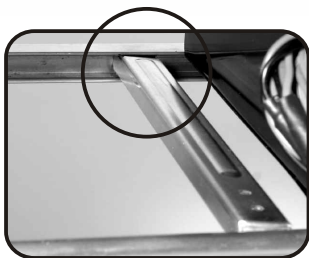
c



- 2 Place the PSU over the location as shown and secure PSU by the screws.



- 3 Locate the PSU supporter as follow.

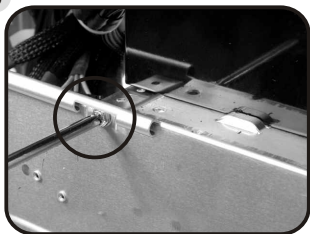


- 4 Fasten both side of the supporter with screws

a



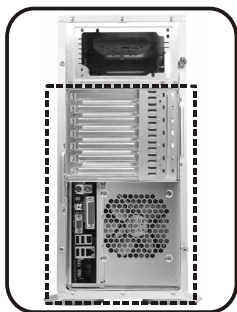
b



c



2.9 BTX Upgrade Kits (optional)



BTX rear plate



BTX SRM
(Supported Retention Module)

Chapter3 Motherboard & Leads Installation

3.1 Motherboard Installation

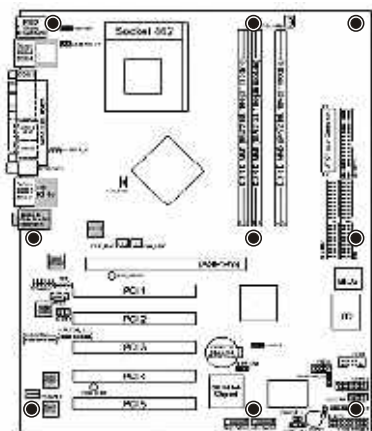
Each motherboard has different standoff layout. It is highly suggested that you refer to your motherboard's manual when installing motherboard into the Case. The cases are applicable with Standard ATX and Micro ATX motherboards.

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.

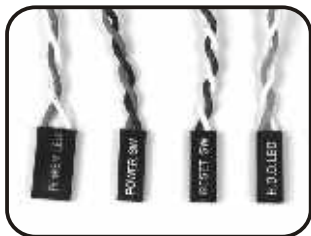
Above illustration is a sample of what the motherboard's layout. For more detail screw hole placement, please refer to your motherboard manual.

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, SPEAKER*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 2-pin labeled HDD LED connector.
- **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.

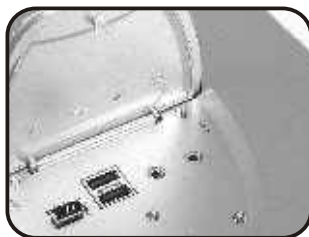
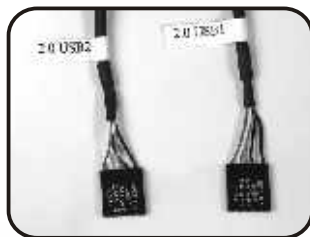


3.3 USB2.0 & IEEE1394 Firewire connection

USB connection

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

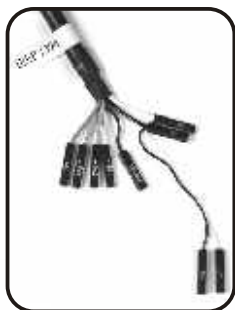
USB2.0 connection				
M/B layout (Ex: ASUS)		Case layout		
1	USB+5V	VCC 1	Red	USB 1
2	LDM1	DATA-1	White	
3	LDP1	DATA+1	Green	
4	GND	GND 1	Black	
5	NC	SHIELD 1	Black	
6	USB+5V	VCC 2	Red	USB 2
7	LDM2	DATA-2	White	
8	LDP2	DATA+2	Green	
9	GND	GND 2	Black	
10	--	SHIELD 2	Black	



IEEE1394 Firewire connection

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

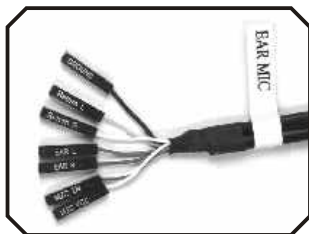
1394 Firewire connection			
M/B layout (Ex: ASUS)		Case layout	
1	+12V	VP	White
2	Ground	VG	Black
3	TPB-	TPB- or TPB*	Red
4	TPB+	TPB+ or TPB	Green
5	TPA-	TPA- or TPA*	Orange
6	TPA+	TPA+ or TPA	Blue
7	Ground	Ground	Black



3.4 Ear & MIC connections

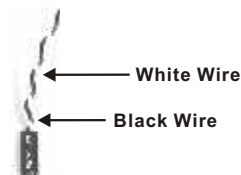
Please consult your motherboard manual to find out the section of "front panel audio connector".

Ear & Mic connection			
M/B layout (Ex: ASUS)		Case layout	
1	LINE_OUT R	EAR R	Red
2	LINE_IN R	Return R	White
3	LINE_OUT L	EAR L	Green
4	LINE_IN L	Return L	Yellow
5	MIC	MIC IN	Red
6	MIC PWR	MIC VCC or MICBIAS	White
7	Ground	Ground	Black



3.5 Case open alarm function

- 1 To find out the cable with 2pin connector ("Micro SW") from the rear of inside the chassis.
- 2 To find out the position of Chassis Alarm on your motherboard.
(please consult your motherboard manual)



Chapter4 Other

4.1 Purepower™ power supply (optional)

The Thermaltake Silent™ Purepower specification meets Intel Pentium 4 and AMD K7; 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 100°C-105°C
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>