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Tested To Comply With FCC Standards

FOR HOME OR OFFICE USE

M9 VI1000 Series

User's Manual

Thermaltake
CoolAll Your Life

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Chapter1. Product Introduction

1.1 Specification

Model	VI1000BNS	VI1000BWS
Case Type	Middle Tower	
Side Panel	-	Transparent Side Window
Net Weight	6.6 kg	6.4 kg
Dimension (H*W*D)	440.0 mm x 200.0 mm x 495.0 mm	
Cooling System	***Front (intake):*** 120 x 120 x 25 mm, 1300rpm, 17dBA, blue LED fan ***Rear (exhaust):*** 120 x 120 x 25 mm, 1300rpm, 17dBA	***Front (intake):*** 120 x 120 x 25 mm, 1300rpm, 17dBA, blue LED fan ***Rear (exhaust):*** 120 x 120 x 25 mm, 1300rpm, 17dBA, blue LED fan ***Side (intake):*** Two 120 x 120 x 25 mm fans (optional)
Drive Bays - 5.25" - 3.5" - 3.5" (Hidden)	 9 1(Converted from one 5.25" drive bay) 3	
Material	SECC	
Color	Black	
Front I/O	USB x 2, HD Audio	
Motherboards	12" x 9.6" (ATX) & 9.6" x 9.6" (Micro ATX)	
Expansion Slots	7	
Air Guide	Yes	

Chapter 2 Case Mechanical Operation

2.1 How to open the side panel

To remove the side panel, please remove upper and bottom thumb screws on the back of the case.

Pull the side panel to release it.

Important Notice:
If the air guide interferes with CPU cooling fan, please remove the CPU air guide as shown.

2.2 How to install PSU

Place power supply unit in the right position.

Then, secure it by screws as shown.

2.3 5.25" device installation

Remove the front panel first.

Remove the 5.25" drive bay mesh cover.

Remove the 5.25" drive bay metal cover.

Turn lock device counter-clockwise to unlock and remove lock device.

Insert the device into the 5.25" drive bay.

Find the proper openings.

Put back the lock device and turn lock device clockwise to lock.

5.25" device installation complete.

2.4 3.5" device installation

Remove the 5.25" drive bay mesh cover.

Take out the 3.5" mesh bay cover from accessory box then install it as shown.

Turn lock device counter-clockwise to unlock and remove lock device.

Pull out the 3.5" rack as shown

Find the proper openings.

Screw the 3.5" device by screw driver.

Insert the 3.5" device into the 5.25" drive bay.

Find the proper openings.

Put back the lock device and turn lock device clockwise to lock.

3.5" device installation complete.

2.5 HDD installation

Turn lock device counter-clockwise to unlock and remove lock device.

Pull out the fan cage as shown

Insert the 3.5" HDD into fan cage.

Find the proper openings then screw HDD by tigh tening screw to HDD.

Insert the fan cage back into the drive bays.

Put back the lock device and turn lock device clockwise to lock.

Finish HDD installation.

Note: Fan Cage is removable and can be installed in different drive bay.

Choose another 3 drive bay at desired location for fan cage then insert fan cage into the desired location.

Put back the lock device and turn lock device clockwise to lock.

2.6 PCI slot usage

Take off the PCI bracket as shown.

Locate Graphic Card to the motherboard through fixing it on the space of PCI bracket.

Press the inner side of the clip and pull to the right side to lock the Graphic Card as shown.

Installation complete.

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, 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).
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.

3.3 USB2.0 connection

USB connection

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

USB

VCC11		2VCC2
D1-3		4D2-
D1+5		6D2+
GND7		8GND
NC 9		10KEY

3.4 Ear & MIC connections

- Please refer to the following illustration of Audio connector and your motherboard user manual.
- Please select the motherboard which used AC'97 or HD Audio (Azalia), (be aware of that your audio supports AC'97 or HD Audio (Azalia)) or it will damage your device(s).
- On some motherboards, the connectors for Audio are not the same as the drawing below. Please check with your motherboard manual before installing.

HD AUDIO

AC'97

Chapter4 Power Supply

4.1 Toughpower / Purepower / TR2 power supply series (optional)

The Thermaltake Power Supply series specification meets latest Intel & AMD dual & Quad core processors and NVIDIA & AMD high performance graphic cards; it offers plenty of functions, which mainly include:

1. Automatic Fan Speed Control: All 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 140mm or 120mm cooling fan and super low acoustic noise under all load condition.
3. Modularized Cable Management: To eliminate clutter and improve airflow inside the case.
4. Dedicated Graphic Card Power: reduce the loading on current PSU and no need to upgrade current PSU while running multi graphic cards mode.

The functions can assure all Thermaltake Power Supply meets the balance in noise control and heat exhausted. All power supply provides complete protection function as follow:

1. Over power protection.
2. Short circuit protection on all output.
3. Over voltage protection / Under voltage protection.
4. Over current protection.
5. Over temperature protection.

Besides, Thermaltake enables the quality assurance of all power supply: 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, CUL, TUV, CB, FCC, CE, and BSMI.**

There are three main products line of Thermaltake PSU which divided into Toughpower, Purepower (include Purepower RX) and TR2 (include TR2 RX) series. Please refer to ***http://www.thermaltake.com/product/Power/power_index.asp***