SHARK
Full Tower Aluminum Case

Thermaltake
Coolall Your Life

User's Manual

Tt® Thermaltake
Coolall Your Life

www.thermaltake.com

Contents

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Chapter1   Product Introduction

1.1 Specification

Model	VA7000SWA	VA7000BWA
Case Type	Full Tower	
Side Panel	Honeycomb See – through side panel	
Net Weight	6.8 kg	
Dimension (H*W*D)	540 x 205 x 500 mm	
Cooling System — Front	120 x 120 x 25 mm fan, 2000rpm, 21dBA (intake)	
Cooling System — Rear	120 x 120 x 25 mm blue LED fan, 2000rpm, 21dBA (exhaust)	
Drive Bays	12 External: 5 x 5.25" , 2 x 3.5" Internal: 5 x 3.5"	
Material	Chassis : 1.0 mm Aluminum Front Door: Aluminum	
color	Silver	Black
Expansion Slots	7	
Motherboards	Removable mother tray fits Micro ATX & Standard ATX	
Thermal Test	Tambient: 38 ℃ , Intel thermal requirement validated	
USB & 1394 Firewire	Dual USB2.0, IEEE1394 Firewire , audio & speaker ports	
Features	Removable motherboard tray Dual 12 cm fans in front & rear Fits Tt liquid cooling system (performance radiator with 12 cm fan) or any other specific brands. See - through side panel with EMI shield. Security lock in front bezel and side panel. Retractable foot stand Security lock in front bezel and side panel.	

1.2 Features

Cooling System
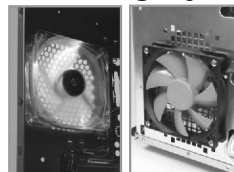
Dual *12cm* cooling fans

Best Ventilation: 12cm fans in front & rear

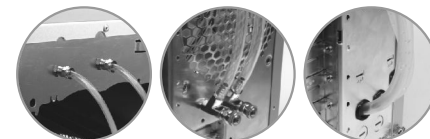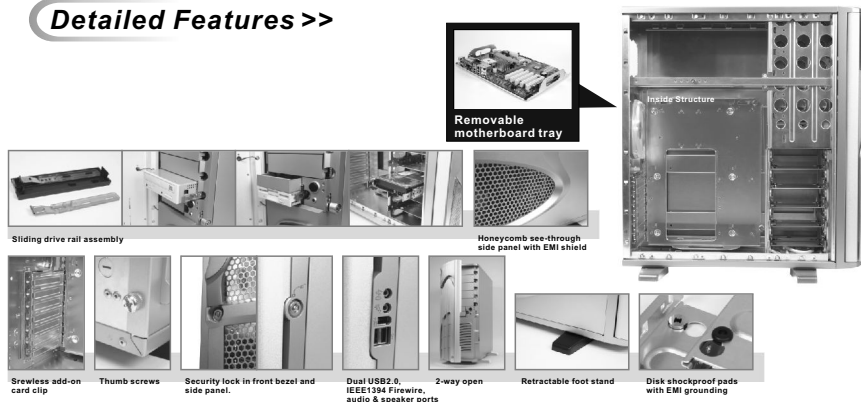Front View   Side View   Chassis overview

Fits all Tt liquid cooling system >>

Fits all Tt liquid cooling system (performance radiator with 12 cm fan) or any other specific brands.

Detailed Features >>

Removable motherboard tray

Inside Structure

Sliding drive rail assembly

Honeycomb see-through side panel with EMI shield

Srewless add-on card clip

Thumb screws

Security lock in front bezel and side panel.
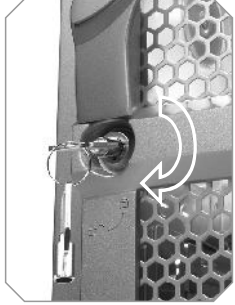
Dual USB2.0, IEEE1394 Firewire, audio & speaker ports

2-way open

Retractable foot stand

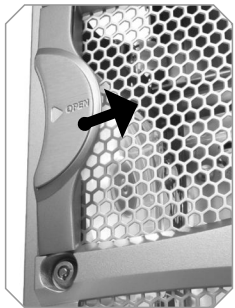Disk shockproof pads with EMI grounding

Chapter2 Case Mechanical Operation
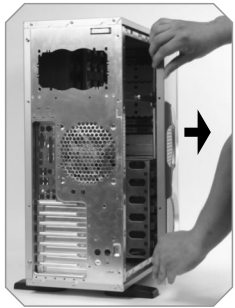
2.1 How to open the side panel

Locate the side panel key attached to the back side of the case.
To unlock the side panel, turn the key clockwise shown in the picture.

1

Push side panel lever to the direction shown in the picture. Then swing the panel outward to remove.
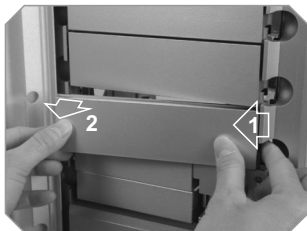
2

2.2 Front door lock operation

Insert the provided key and **turn it clockwise**.

2.3 Installing 5.25" Device

Remove the front bezel by grasping it at the bottom right corner and swinging outward.

1

After removing the bezel, drive rails will be located behind the bezel just removed.

2

Mount two drive rails onto the side of 5.25" device. Be sure the tab from the rail angles out away and faces toward the front of the device.

3

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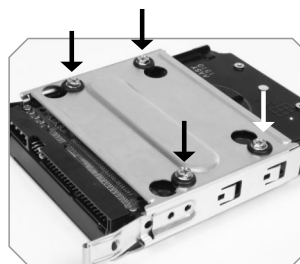
4

2.4 Installing 3.5" Device

Remove the tray show in the picture by squeeze the clip on each side of the tray and slide the tray out.

1

Mount your HDD or other internal 3.5" device into drive tray. Then tighten the device by the screws provided.
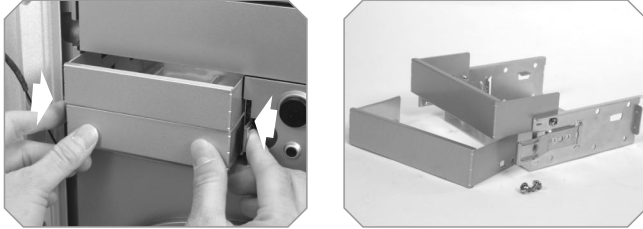
2

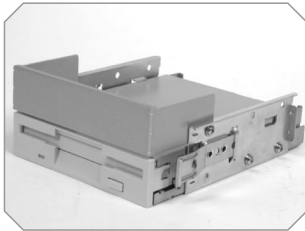Slide the tray back into the cage.

3

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2.5 Installing 3.5" External Device

Squeeze tab and pull external 3.5" device cage out.
Remove bezel.

Mount 3.5" device into the cage and fasten device in the case
by screws.

Slide the cage into drive bay till the fixed-postition.

2.6 PCI slot tool-free function operation

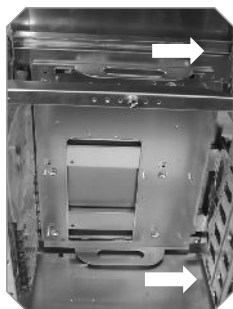Open the plastic clip then take off the PCI bracket as follow.
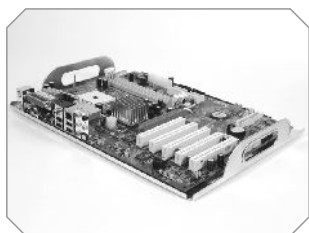
2.7   Motherboard Installation

Unscrew the thumbscrews on the tray and remove it.

1

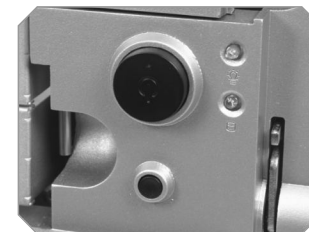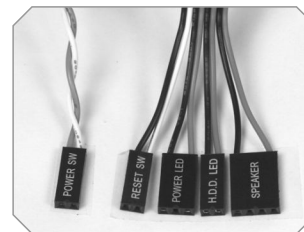Slide the motherboard tray toward the drive to remove it.

2

Place the motherboard tray on a flat surface and mount the motherboard. When finish, place the motherboard tray into the case and slide it into position.

2

Chapter3 Leads connection

3.1   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,
- *SPEAKER* connects to the SPK connector on the motherboard

3.2 Front I/O pin definition

USB
(USB 2.0/Intel spec)

JUSB1 Pin Definition

Pin	Description	Pin	Description
1	VCC	2	VCC
3	USB0-	4	USB1-
5	USB0+	6	USB1+
7	Key	8	N/A
9	GND	10	GND

J1394 Pin Definition

PIN	SIGNAL
1	Cable power
2	Ground
3	TPB-
4	TPB+
5	TPA-
6	TPA+

Pin Definition

PIN	SIGNAL	DESCRIPTION
1	AUD_MIC	Front panel microphone input signal
2	AUD_MIC_BIAS	Microphone power
3	AUD_RET_R	Right channel audio signal return from front panel
4	AUD_FPOUT_R	Right channel audio signal to front panel
5	AUD_RET_L	Left channel audio signal return from front panel
6	AUD_FPOUT_L	Left channel audio signal to front panel
7	KEY	No pin
8	HP_ON	Reserved for future use to control headphone amplifier
9	AUD_GND	Ground used by analog audio circuits
10	AUD_GND	Ground used by analog audio circuits

Chapter4 Other

4.1 Fits all Tt liquid Cooling system

The pictures displaying below is for users to know that holes are made to the chassis for the installing of water-cooling system. It can be used for other brands of water-cooling system as well.
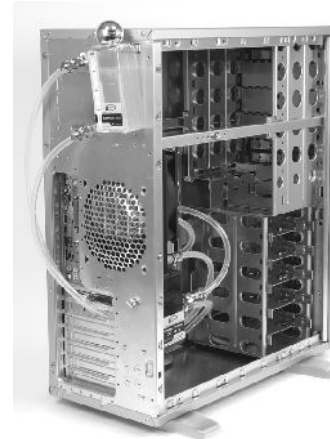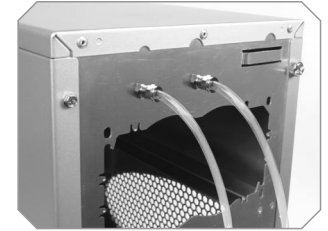
4.2 **Silent Purepower™ power supply (optional)**

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