

ElementS

VK6000 Series

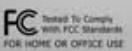
Create for Pros

User's Manual
Benutzerhandbuch
Mode d'emploi
Manual del usuario
Manuale dell'utente

安裝說明書
用戶手冊
ユーザーズマニュアル
Руководство пользователя
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COOL ALL YOUR LIFE

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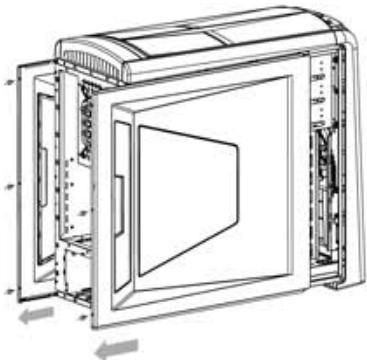
Chapter4 Other

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	Model	VK60001W2Z	VK60001N2Z
Case Type	Middle Tower	Middle Tower	
Net Weight	8.74 kg / 19.27 lb	8.84 kg / 19.49 lb	
Side Panel	Mesh Window	-	
Dimension	540.0 x 230.0 x 505.0 mm (D*W*H)	540.0 x 230.0 x 505.0 mm (21.3 x 9.1x 19.9 inch)	
Cooling System	Front (intake) :	120 x 120 x 25 mm TurboFan, 1300rpm, 17dBA; 120 x 120 mm fan (optional)	Front (intake) : 120 x 120 x 25 mm TurboFan, 1300rpm, 17dBA; 120 x 120 mm fan (optional)
	Rear (exhaust) :	140 x 140 x 25 mm TurboFan, 1000rpm, 16dBA	Rear (exhaust) : 140 x 140 x 25 mm TurboFan, 1000rpm, 16dBA
	Top (exhaust) :	230 x 230 x 20 mm red LED fan, 600rpm, 15dBA	Top (exhaust) : 230 x 230 x 20 mm red LED fan, 600rpm, 15dBA
	VGA (exhaust) :	Two 60 x 60 mm fan (optional)	VGA (exhaust) : Two 60 x 60 mm fan (optional)
	Side (intake) :	230 x 230 x 20 mm fan, 800rpm, 15dBA	
Drive Bays	12	12	
-Accessible	3 x 5.25"	3 x 5.25"	
-Hidden	7 x 3.5", 2 x 2.5"	7 x 3.5", 2 x 2.5"	
Material	SECC	SECC	
Color	Exterior & Interior : Black	Exterior & Interior : Black	
Expansion Slots	7	7	
Liquid Cooling Hole	Support 1/2", 3/8", 1/4" water tube	Support 1/2", 3/8", 1/4" water tube	
Motherboards	9.6" x 9.6" (Micro ATX), 12" x 9.6" (ATX)	9.6" x 9.6" (Micro ATX), 12" x 9.6" (ATX)	
I/O Ports	USB 2.0 x 2, e-SATA connector x 1, HD Audio	USB 2.0 x 2, e-SATA connector x 1, HD Audio	
PSU	Standard ATX PSII (optional)	Standard ATX PSII (optional)	

Side Panels Disassembly



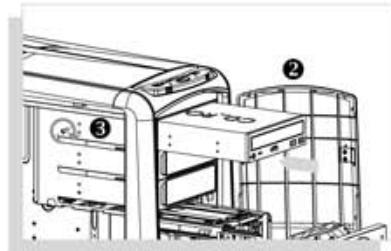
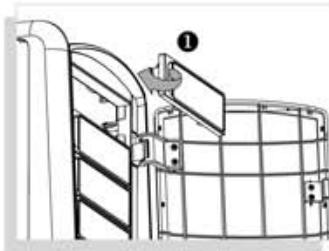
English /

Unscrew thumbscrews and slide side panels off from the chassis.

Español /

Desatornille los tornillos de mano y deslice los paneles laterales para extraerlos del chasis.

5.25" Drives Installation



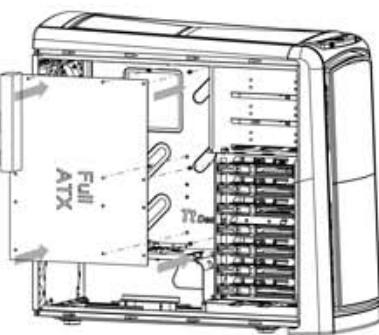
English /

1. Detach the 5.25" drive bay plastic cover by pulling the handle at left side of the cover.
2. Insert the device in proper location and secure it with screws.

Español /

1. Separe la cubierta de plástico de la bahía de unidad de 5,25 pulgadas tirando de la manilla situada en la parte izquierda de la cubierta.
2. Instale el dispositivo en la ubicación adecuada y asegúrelo con tornillos.

3.5" HDD Installation



English /

1. Lay down the chassis.
2. Install the motherboard in proper location and secure it with screws.

Español /

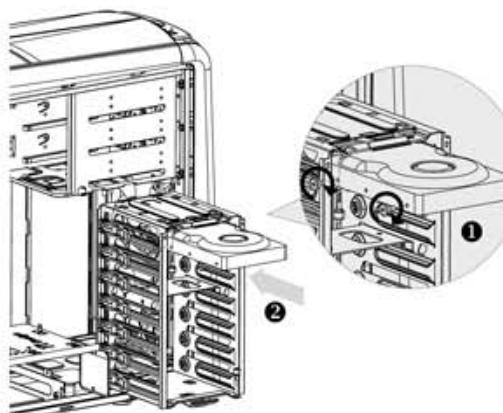
1. Tumbe el chasis.
2. Instale la placa madre en la ubicación adecuada y asegúrela con tornillos.

English /

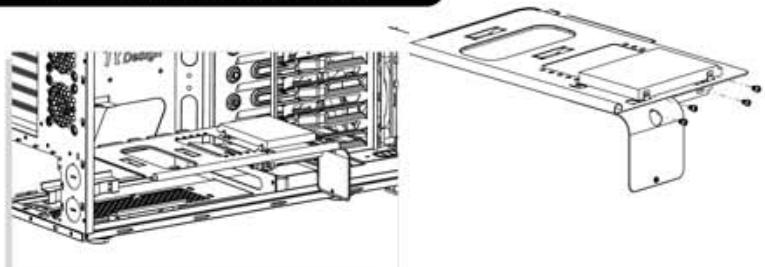
1. Apply the HDD screws to both sides of HDD.
2. Insert the HDD into the HDD cage till the screws are locked with tool-free mechanism.

Español /

1. Utilice los tornillos del HDD a ambos lados del mismo.
2. Inserte el HDD en la caja del HDD hasta que los tornillos se ajusten con un mecanismo sin herramientas.



2.5" HDD Installation



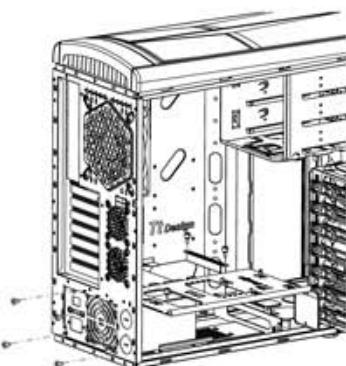
English /

Place the 2.5" HDD on proper location of the HDD tray and secure it with screws.

Español /

Sitúe el HDD de 2.5 pulgadas en la ubicación adecuada de la bandeja del HDD y asegúrelo con tornillos.

Power Supply Unit (PSU) Installation



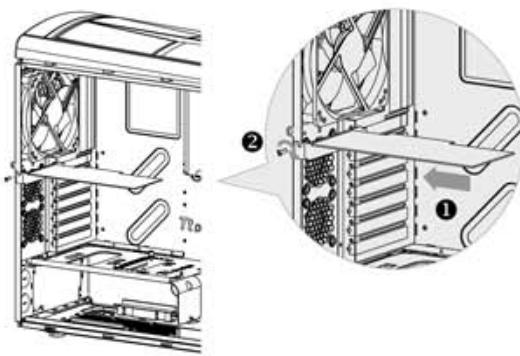
English /

1. Install the power supply unit in proper location and secure it with screws.
2. Adjust the PSU steady to proper location and secure it with screw.

Español /

1. Instale la unidad de fuente de alimentación en el lugar adecuado y asegúrela con tornillos.
2. Ajuste la PSU estabilizada en la ubicación adecuada y asegúrela con tornillos.

PCI Card Installation



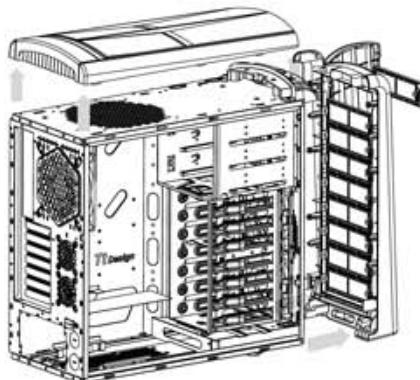
English /

Insert the PCI card into the PCI slot, and secure it with screw.

Español /

Inserte la tarjeta PCI en la ranura del PCI y asegúrela con tornillos.

Front Panel & Top Cover Disassembly



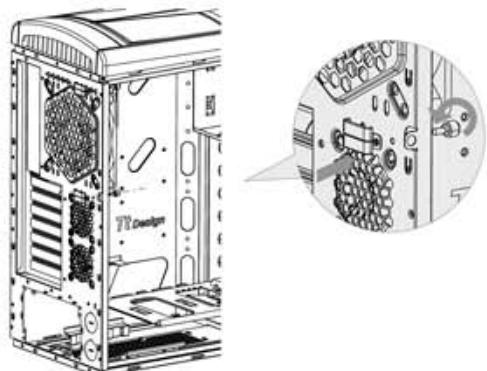
English /

1. Pull the mechanism located at the bottom of the front panel to detach it from the chassis.
2. Hold the edges of both sides of the top cover, and pull upward carefully to detach the top cover from the chassis.

Español /

1. Tire del mecanismo ubicado en el fondo del panel frontal para separarlo del chasis.
2. Sostenga los bordes de ambos lados de la cubierta superior y tire hacia arriba cuidadosamente para separar la cubierta superior del chasis.

Keyboard & Mouse Security Lock Usage



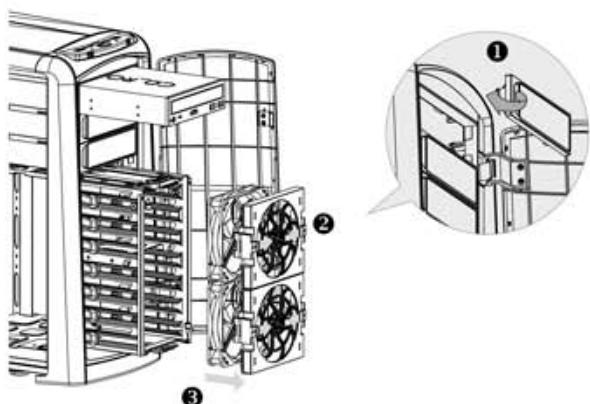
English /

Place the keyboard or mouse cables through the "Keyboard & Mouse Security Lock" then secure it back to the back panel from inside of the chassis with screw.

Español /

Coloque los cables del teclado o el ratón a través del "Cierre de Seguridad del Teclado y del Ratón", a continuación, asegúrelo de nuevo al panel posterior desde dentro del chasis mediante tornillos.

Front Fan Installation (Optional)



English /

1. Detach drive bay plastic covers by pulling the handle at left side of the cover.
2. Detach the fan holder from the chassis by pushing the fastener at both sides of fan holder.
3. Attach the optional fan in proper location of the fan holder.
4. Re-attach the fan holder and fans back into the chassis and secure them with fasteners.
5. Re-attach drive bay plastic covers.

Español /

1. Separe las cubiertas de plástico de la bahía de unidad tirando de la manilla situada en la parte izquierda de la cubierta.
2. Separe el sostenedor del ventilador del chasis tirando del fastener a ambos lados del sostenedor del ventilador.
3. Acople el ventilador opcional en la ubicación adecuada del sostenedor del ventilador.
4. Vuelva a acoplar el sostenedor del ventilador y los ventiladores de nuevo en el chasis y asegúrelos con fasteners.
5. Vuelva a acoplar las cubiertas de plástico de la bahía de unidad.

Leads Installation Guide

English

Leads Installation Guide

Case LED connection / On the front of the case, you can find some LEDs and switch leads. Please consult your user manual of your motherboard manufacturer, then connect these leads to the panel header on the motherboard.

USB 2.0 connection / Please consult your motherboard manual to find out the section of "USB connection".

Audio Connection / 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).



PORT1 L	RED	BLACK	AUD GND
PORT1 R	BROWN	BLACK	PRESENCE#
PORT2 R	YELLOW	ORANGE	SENSE1_RETURN
SENSE_SEND	PURPLE	KEY	
PORT2 L	BLUE	GREEN	SENSE2_RETURN

AUDIO AZALIA Function

Front Microphone
input Signal
Front Microphone
Power
Front Right Channel
Audio Signal

MIC IN	RED	BLACK	GROUND	Front Audio Ground
MIC POWER	BROWN	NC		
R-OUT	YELLOW	YELLOW	R-RET	Rear Right Channel Audio Signal
	NC	KEY		
L-OUT	BLUE	BLUE	L-RET	Rear Left Channel Audio Signal

AUDIO AC'97 Function

Español

Guía de Instalación de Cables

Conexión del LED de la caja / En la parte frontal de la caja, encontrará algunos LED y cables de interruptores. Consulte el manual del usuario del fabricante de la placa madre, a continuación conecte estos cables al conector de la placa madre.

Conexión USB 2.0 / Consulte el manual de la placa madre para obtener más información sobre el apartado "Conexión USB".

Conexión de Audio / Consulte la siguiente ilustración del conector de Audio y el manual del usuario de la placa madre.

Seleccione la placa madre que utiliza AC'97 o HD Audio (Azalia), (asegúrese de que su audio admite AC'97 o HD Audio (Azalia)) si no, sus dispositivos resultarán dañados.



PORT1 L	RED	BLACK	AUD GND
PORT1 R	BROWN	BLACK	PRESENCE#
PORT2 R	YELLOW	ORANGE	SENSE1_RETURN
SENSE_SEND	PURPLE	KEY	
PORT2 L	BLUE	GREEN	SENSE2_RETURN

AUDIO AZALIA Function

Front Microphone
input Signal
Front Microphone
Power
Front Right Channel
Audio Signal

MIC IN	RED	BLACK	GROUND	Front Audio Ground
MIC POWER	BROWN	NC		
R-OUT	YELLOW	YELLOW	R-RET	Rear Right Channel Audio Signal
	NC	KEY		
L-OUT	BLUE	BLUE	L-RET	Rear Left Channel Audio Signal

AUDIO AC'97 Function

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