Thermaltake Xaser III
Thermaltake was founded in 1999, where the basis for the company were the production of high performance heat sinks, CPU coolers, DC fans and other thermal related products. In 2001 we turned into a global operation as everyone knows us today and we are now distributing our products throughout the entire globe. When people hear the word Thermaltake, it is automatically associated with "Quality", "Performance" and "Innovation". These 3 words are the most descriptive for Thermaltake and each of them fits perfectly. Ideally, Thermaltake pour the brilliant thermal solution into PC cases and as a brand new edition to the line of products: Xaser III. Today Thermaltake proudly presents a new edition, Xaser III series. It comes fitted with a large window on the side panel, features-enriched interior, multi-functional front HardCano unit and "Thermaltake" sign back-lighted by Electric-LED.

Thermal Management is well addressed with the Xaser III Series Case. The redesigned HardCano units lets you control up to 4 fan unit’s speed within the case. Thus allowing users to turn up the airflow during intensive operations and lowering the noise level when the system is idling. Built in temperature alarm will alert you when temperature exceeds the preset limit. Just another feature to ensure that everything runs smoothly.

Every details were carefully thought of when designing this latest case. 2-Way Lock is a great and convenient way to access the Drive Bays when needed and lock it to provide absolute security. Side panel is also guarded by the locking mechanism for added security. With the traditional case design, users will often need to crawl to the back of the case in order to access USB, IEEE 1349 Firewire, Audio Input / Output ports. Instead of making you come to those ports, we brought these ports to you for easier access.

Contact Information
If you have questions related Thermaltake Xaser III, you are welcomed to contact with us via the following methods. Please visit our website: www.thermaltake.com. Or E-mail us to: thermaltake@thermaltake.com

DISCLAIMER
This manual is intended as an operation guide for Thermaltake Chassis. For complete and detail system integration instruction or guide, please refer to the user’s manual which is provided with other respective components, motherboards and drives.
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<th>1000 Series</th>
<th>Case Type</th>
<th>Xaser III Super Tower</th>
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<tr>
<td>Side Panel</td>
<td>W/ window or W/O window</td>
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<tr>
<td>Dimension (HxWxD)mm</td>
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<td>Cooling System</td>
<td>A1420, 80x80x25mm Silent Fan, 21dB</td>
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<td>-Front x 2 w/ air filter</td>
<td>Rear x 2 w/ fan holder</td>
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<td>-Side x 2 w/ air filter</td>
<td>Top x 1 w/ fan holder</td>
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<tr>
<td>Drive Bays</td>
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<tr>
<td>-Front Accessible</td>
<td>4 x 5.25&quot;, 2 x 3.5&quot;</td>
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<td>-Internal</td>
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<td>W0008, 420W Silent Purepower</td>
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<th>SilentPurepower Supply (options)</th>
<th>Tt-300 AF ATX12V+PFC</th>
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<tr>
<td>W0002</td>
<td>Tt-300A ATX12V</td>
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<tr>
<td>W0004</td>
<td>Tt-360AP ATX12V+PFC</td>
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<td>W0008</td>
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<td>W0009</td>
<td>Tt-420AD (Dual Fan) ATX12V</td>
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- UL, CE, TUV, CUL, Approved
- Tt2 USB2.0 & IEEE 1394firewire
- Mic x 1 & Speaker x 1

Thermaltake elegant E-LED blue light in front panel
## 2000 Series

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<td>Net Weight</td>
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### Motherboards

- Standard ATX 12"x9.6", Micro ATX 9.6"x9.6", Extend ATX 12"x13"
- W0006, 360W Silent Purepower
- W0008, 420W Silent Purepower
- N/A

### Silent Purepower Supply (options)

- W0002: T1-300 ATX12V+1PFC
- W0003: T1-360A ATX12V
- W0004: T1-360AP ATX12V+1PFC
- W0005: T1-360ATX12V
- W0006: T1-360APD (Dual Fan) ATX12V+1PFC
- W0007: T1-360AD (Dual Fan) ATX12V
- W0008: T1-360APD (Dual Fan) ATX12V+1PFC
- W0009: T1-360AD (Dual Fan) ATX12V
- UL, CSA, TUV, CE Approved

- 2 USB2.0 & IEEE 1394 Firewire
- MICx1 & Speaker x1

### Additional Features

- Thermaltake elegant EL LED blue light in front panel

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### 1.2 Case Overview

- Silent Purepower Power Supply (Optional)
- "Hardcano"
  - 4 Channel VR Fan Speed Controller
  - Temp. LCD Monitor
- HDD LED Light
- Power LED Light
- Door Lock
- Thermaltake EL LED Light
- IEEE 1394 Port
- Ear & MIC
- USB2.0 Port
- 5.25" Device Bay
- Fan Filter
- Side Fan Panel
- 3.5" Device Bay
- PCI Slot Tool-free Bracket
Chapter 2  Case Mechanical Operation

2.1  How to remove/install the side panel

2.1.1 Removing:

Note:
It should firstly open the front panel in order to unlock the side panel lock before removing the side panel.  (Please refer to P.6)

1. To remove the Side Panel, please unscrew two screws from the back of the case.

2. Pull the Side Panel to release it.

3. Open the side panel, please refer to the orientation of the picture

2.1.2 Installation:

Note:
It should follow the steps as below to easier install the side panel.

1. Install the right side of side panel first

2. Install the left side of side panel as well.

3. Push the side panel to fit the both side of rail of the case.
2.2 What's in the package

Total Pre-installed Fan Units: 7
- Front: 2
- Rear: 2
- Side: 2
- Top: 1

5.25" Drive Bay Rail x 6
3.5" Drive Bay Rail x 16

USB2.0 & IEEE 1394 firewire:
three wires (two USB & one IEEE 1394 firewire) in one connector.

Inside the white box:
1. I/O shield * 1
2. Double-side Tape * 1
3. Bag #1
   - Wrap Tie * 10
   - Brass Stand Off * 9
   - Hexagon Washer Screw * 5 (Power * 4, Spare * 1)
   - Half Round Head Screw * 8 (add-on card*2, HDD*4, Spare*2)
   - Round Washer Head Screw * 15 (FDD Screw * 4, M/B Screw * 9, Spare * 2)
4. Bag #2 (P4)
   - Brass Stand Off * 4
   - CPU fan adaptor * 1

Power supply (optional)
2.3 2-Way Lock Operation

1. Turn the key clockwise 90°

2. Turn the key clockwise 180°

Lock the Aluminum Front Panel only
Please insert the provided key and turn it clockwise 90°.

Lock the whole Aluminum Front Panel & Door
Please insert the provided key and turn it clockwise 180°.

2.4 5.25" & 3.5" Device Installation

5.25" Device Installation:
Attach the included Tool-Less Guide Rail on the side of 5.25" device, then insert it into the 5.25" bay.

3.5" Device Installation:
Additional Hard Drives can be installed into the HDD Cage within the chassis. Please attach the included Tool-Less Guide Rail on the side of Hard Drive, then insert it into the HDD Cage.
2.5 PCI slot tool-free function operation

1. Take up the holder
2. Pull out the holder
3. Insert the PCI card into the PCI slot
4. Push in the holder
5. Press down the holder

2.6 Remove & Install Side-Fan Panel

**Install:**

- **Note:**
  - Side-Fan Panel is pre-installed on Xaser Series III Cases.

1. Attach the latch as shown in illustration.
2. Align the Side-Fan Panel against the bottom latch then secure the top latch.
3. Close the Side-Fan Panel.

**Remove:**

- Release the Side-Fan Panel by pressing on the two latches and pull backward.
2.7 Fan Filter Removal and Cleaning

Side-Fan Filters

1. Release the Side-Fan Panel by pressing on the two latches and

2. First take off the fan unit, then filter can be removed.

Front-Fan Filters

1. First open up the whole Aluminum Front Panel & Door.

2. Take off the Fan Grille, then the filter can be removed.

Chapter 3 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 Xaser III Series Case. Xaser III Super Tower Series are applicable with Standard ATX, Micro ATX, Dual processor Form Factor motherboards. Your motherboard may require a special I/O Panel, which should be included with your motherboard. Xaser III Super Tower Series include the standard I/O Panel which is used by majority of today's 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.

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 (SPEAKER*1, 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.
- **SPEAKER** connector: find out the 4-pin labeled SPEAKER on the M/B then connect it.
- **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 USB 2.0 & IEEE 1394 firewire connections

There are three wires with different connectors inside the Xaser III case, these are shown as follow: 5-Pin 2.0 USB1, 5-Pin 2.0 USB2, IEEE 1394.

**USB2.0 connection: it is compatible for USB1.1**

Please consult your motherboard manual to find out the position of USB 2.0 connection on your motherboard. You can see 10-pins in two rows.

- **USB1 includes VCC1, USB1, USB1+, GND1, GND.**
- **USB2 includes VCC2, USB2, USB2+, GND2, GND.**

Connect "2.0 USB1" to the one of two rows on the motherboard.
Connect "2.0 USB2" to the other row.

**Note:**

One or two pins may be shown in both rows as NC on some motherboards, please

**IEEE 1394 firewire connection**

There are eight wires (two GND, VG, VP, TPA+, TPB-, TPB+, TPA-) with connectors coming from the IEEE 1394 of the Xaser III case. Please consult your motherboard manual to find out the position of IEEE 1394 connection on your motherboard. You can see 10-pins in two rows.

- **Power pin**: connect VP connector to it.
- **Ground pin**: connect VG connector to it (next to the VP connector)
- **Data pin**: connect TPB- connector to the TPB- data pin, connect TPB+ connector to the TPB+ data pin, connect TPA- connector to the TPA- data pin, connect TPA+ connector to the TPA+ data pin.
- **Ground pin**: Connect two GND connectors to the other two GND ground pins
3.4 Ear & MIC connections

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

1. Connect "MIC-VCC" to "MIC POWER" or "MICPWR" on your motherboard.
2. Connect "MIC-IN" to "MIC INPUT" or "MIC2" on your motherboard.
3. Connect "GND" to "GROUND" or "AGND" on your motherboard.
4. Connect two "EAR L" to "BLINE_OUT_L" and "Line out_L".
5. Connect two "EAR R" to "BLINE_OUT_R" and "Line out_R".

3.5 Case open alarm function

1. To find out the cable with 2pin connector (CASE OPEN) from the rear of inside the chassis.
2. To find out the position of Chassis Alarm on your motherboard. (please consult you motherboard manual)

2. Connect the 2pin connect to Chassis Signal & GND. (The yellow wire means "chassis signal", the black wire means "GND"; please note the pin position).

3.6 Front Panel E-LED Setup

1. Please connect the E-LED Power Cable as shown.

2. Then please directly connect the other side of the inverter with 4pin connector to power supply.
Chapter 4 "Hardcanoe"

4.1 Attaching Temperature Probe

1. Attach the Temperature Probe underneath the processor with included tape.

2. Run the two wires through the pins.

3. Install CPU.

4.2 LCD display with Temp. Alarm

Specification
- Range: 0°C ~ 90°C (32°F ~ 194°F)
- Resolution: 0.1°C (0.1°F)
- Accuracy: ±1°C (+/-2°F)
- Sampling rate: 3 sec
- Alarm setting range: 40°C ~ 90°C
- Power: Lithium battery CR2032 3V

There are two temperature shown on the screen (T1, T2). T1 always mean pre-setting temperature as well as T2 represents the temperature from sensor.

ON / OFF: power on or power off switch.
°C/F: Celsius and Fahrenheit display switch.
RESET: clean the temperature setting. (MAX & MIN)
REC: please adjust the pre-setting temperature by using the cross-head screw driver. Whatever it shows the temperature you would like to set, the screen should be shown without MIN or MAX, see fig 1), please press the button "REC" to record the temperature.

Monitor Switch

Press "REC" Button

"MAX" Status

Note:
When the screen is shown MAX, it means the highest temperature you have recorded. In the meanwhile, T1 is the highest temperature you set, T2 is the highest temperature that the sensor detected.

Normal Status

Press "REC" Button

"MIN" Status

Note:
When the screen is shown MIN, it means the lowest temperature you have recorded. In the meanwhile, T1 is the lowest temperature you set, T2 is the lowest temperature that the sensor detected.
4.3 Fan speed controller operation

If the fan unit you wish to control is over 0.35Amp, please connect it to either Speed Controller #2 or 3. However, the total current of fan unit is less than 0.35Amp, please connect it to Fan1 or Fan 4.

If you wish to control a fan unit with a 3pin power connection, please use the included CPU Fan Adaptor. Once connected, you may still monitor the RPM by connecting the Yellow wire directly to motherboard.

Example:
An efficient way to control the fan units is to chain connect each Silent Fan Units. Then attach this set to one of the Speed Controllers.

Note:
If 4 or more Silent Fan Units are chain connected altogether, please attach the set to either Speed Controller #2 or #3. This is because each Silent Fan Unit requires 0.10Amp: [0.1Amp X 4 Silent Fan Units] is greater than 0.35Amp, so it must be connected to Fan2 or Fan3 only.

Chapter 5 Other

5.1 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.
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.

All other registered trademarks belong to their respective companies.
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 Thermaltake
Technology Co., Ltd.
LC Display mit Temperatur-Alarm

Bild 1

Es sind zwei Temperaturwerte auf dem Display zu sehen (T1, T2). T1 zeigt die eingestellte Temperatur an, T2 zeigt die Temperatur am Sensor an.

Spezifikation:
- Bereich: 0 °C ~ 90 °C (32 °F ~ 194 °F)
- Auflösung: 0.1 °C (0.1 °F)
- Genauigkeit: +/-1 °C (+/-2 °F)
- Messrate: 3 sek.
- Alarm Bereich: 40 °C ~ 90 °C
- Stromversorgung: CR2032 3V

Bedienpult für die Lüfter Drehzahlsteuerung

Wenn der zu regelnde Lüfter mehr als 0.35Amp benötigt
benutzen Sie bitte die Anschlüsse 2 oder 3. Wenn der zu
regelnde Lüfter weniger als 0.35Amp benötigt können Sie die
Anschlüsse 1 oder 4 benutzen.

Lüfter 1
Lüfter 2
Lüfter 3
Lüfter 4

Wenn Sie die Drehzahl eines Lüfters mit einer 3pin Buchse
überwachen möchten, benutzen Sie bitte den beiliegenden
CPU-Lüfteradapter. Nachdem Sie den Adapter mit dem Lüfter
und das gelbe Kabel mit dem Mainboard verbunden haben,
können Sie die Drehzahl am PC überwachen.

Beispiel:
Eine effiziente Weise mehrere Lüfter anzusteuern ist
die Reihenschaltung von Silent-Lüftern.

Bild 2

Bild 3

ON / OFF: Anzeigen EIN / AUS Schalter.
°C / °F: Celsius und Fahrenheit Umschalter.
RESET: Setzt die gespeicherten Temperaturwerte (MAX &
MIN) zurück
REC: Für die Alarm-Temperatur Einstellung benutzen Sie bitte
 einen Kreuzschraubendreher. Wenn die gewünschte
Alarm-Temperatur angezeigt wird, (das Display ist ohne MIN
oder MAX Anzeige, wie in Bild 1), drücken Sie bitte den REC
Knopf um die Einstellung zu Übernehmen.
Note: Wenn im Display MAX angezeigt wird (Bild. 2), werden
die höchsten Temperatur-werte angezeigt. T1 ist die höchste
Temperatur die Sie eingestellt haben. T2 ist die höchste
Temperatur die der Sensor gemessen hat. Wenn im Display
MIN angezeigt wird (Bild. 3), werden die niedrigsten
Temperatur-werte angezeigt. Wird T1 von T2 überschritten
ertönt ein Alarm-Signal.

Diese können dann an einem Anschluss der
Drehzahlsteuerung angeschlossen werden.

*Wenn Sie 4 oder mehr Silent-Lüfter in einer
Reihenschaltung anschließen möchten, benutzen Sie
bitte die Anschlüsse 2 oder 3.
Jeder Silent-Lüfter benötigt 0.10Amp:
[0.10Amp X 4 Silent-Lüfter] ist größer als 0.35Amp.