Triton Series
Triton + Triton 180

Triton GZ-XX1CA-SNS/SNB
Triton 180 GZ-AX1CA-SDS/SDB GZ-AX1CA-SD1/SD2

English User's Manual

Triton 180

Triton

Thank you for purchasing GIGABYTE thermal product. GIGABYTE is dedicated to the integration of casing liquid/air-cooling solution technology, to provide users with the most optimal solution for heat dissipation. For further information and specifications of the "Triton" series, please visit GIGABYTE website. (http://www.gigabyte.com.tw)

The Following are not covered by the warranty:
1. Using the product incorrectly or in a manner other than the designed purpose.
2. Nonobservance of the proper operations provided.
3. Malfunction due to interference from other devices.
4. Unapproved modification of the product.
5. Consequential damage to other objects due to the product's fault.
6. Malfunction arising from natural hazards E.g. earthquake, lighting, fire and floods.
7. The product's warranty label has been removed or damaged.
8. The devices inside, including power supply, hard disk, CD-ROM drive, motherboard, ventilator, etc, are not detached from the casing prior to transportation of the computer system, resulting in damage to the casing or other computer-related devices.
9. Any loss/damage caused by failure to follow the installation process with in the user manual.
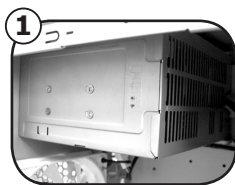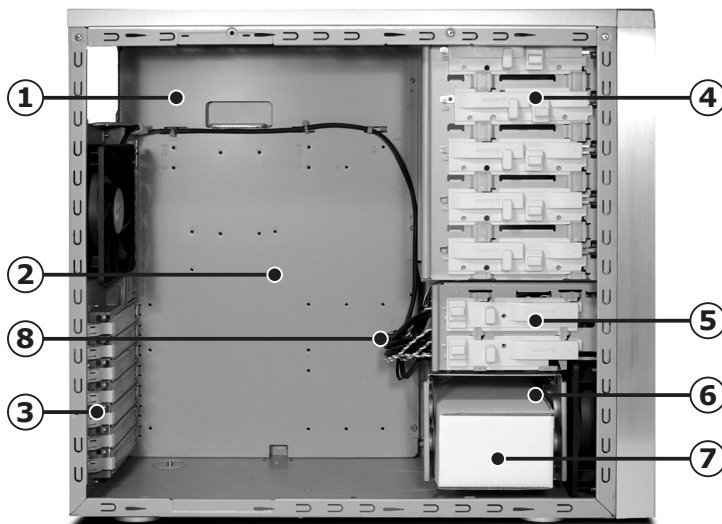
⚠ CAUTION	Failure to wear gloves during installation of computer products may cause bodily harm or damage to your devices. Incorrect connector installation may possibly burn out the motherboard and other components. Be sure to observe the instructions in the user manual.

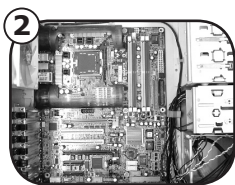# Table of Contents

1.Components Introduction

1-1 Casing's Internal Structure

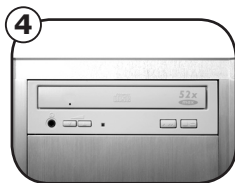|		
Power Supply	Motherboard Tray	PCI Tool-Free Fastener
5.25" Front Device Bay	3.5" Front Device Bay	3.5" Internal Device Bay
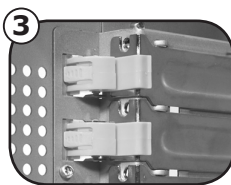
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Securing Runner x 6	Copper Stand Off x 9	Motherboard Securing Screw x 9
Power Supply Securing Screw x 4	Wire Clamp x 1	Magnet Ring x 1

Accessory Box

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USB 2.0	Audio Set (HD & AC'97)	IEEE1394 (Multi-connectors)
3-Pin Fan Connector	Basic chassis power switch control cable kit	

Front Cable Kit
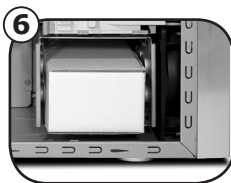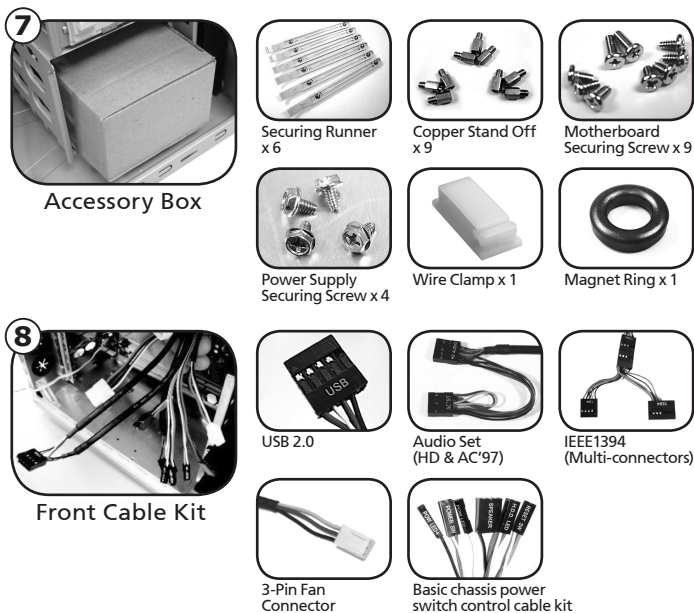
1-2 Front and Rear Panel Structure

a) Front Panel   b) Rear Panel

Triton 180   Triton
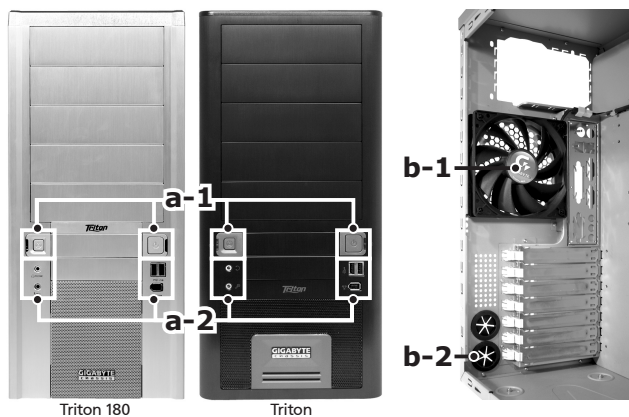
a-1) Reset SW / HDD LED / Power SW / Power LED
a-2)Front multi-media I/O ports
    (USB x2, IEEE 1394 x1, Audio Set x1 (HD &AC'97))
b-1) Rear Fan
b-2) LCS Tube Inlet/Outlet

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1-3 Removal of Side and Front Panels

1-3.1 To remove side panels:

1-3.1a Remove the 4 thumb screws at the rear of the side panels, and detach the side panels.

1-3.2 To remove front panel:

1-3.2a Remove the left and right side panels (see step 1-3.1), release the 4 clamps the hold the front panel onto the chassis.

2.Features

-High Quality Design
• High-end aluminum bezel design
• Skid-proof & shock-proof foot stands

-Complete Support
• Front panel multi-media I/O ports
  (USB x2, IEEE 1394 x1, Audio Set x1 (HD &AC'97))
• Dual 12cm silent & shock proof fan (Front x 1 and Rear x 1)
• Supports liquid cooling systems

-Integration of Cooling Technology
• Intel CAG 1.1 Air Duct

-Convenience of Assembly
• Internal Cable Management
• Tool-free installation design

3.Specifications

	Triton	Triton 180
Model	GZ-XX1CA-SNS/SNB	GZ-AX1CA-SDS/SDB GZ-AX1CA-SD1/SD2
Case Type	Middle Tower	
Size (W x H x D)	200 x 440x 480 mm	
Front Bezel Material	Aluminum	
Color	Silver / Black	
Side Panel	Intel CAG1.1	
Body Material	0.7 mm SECC	
Net Weight	8.4kg	
5.25" Device Bay (external)	5	
3.5" Device Bay (external)	2	
3.5" Device Bay (internal)	3	
PCI Slot	7	
Motherboard Size	ATX / Micro ATX / Flex ATX	
System Fan (front)	12cm silent fan x 1	
System Fan (rear)	12cm silent fan x 1	
Multi-Media I/O Port	USB2.0 x 2 , IEEE 1394 x 1 , Audio Set x 1 (HD & AC'97)	

4.Installation Instructions

NOTE   Please follow the reference sections in order for installation.

4-1 Installation of Power Supply

To facilitate the installation, it is recommended to set the chassis upright on the table.

Required Tools: Power supply securing screw x 4.

4-1.1   Remove side panel (see step 1-3.1 on page 6). Place the power supply unit into the case.

4-1.2   Secure the power supply with the 4 securing screws.

4-2 Installation of Motherboard

This chassis is compatible with ATX / Micro ATX / Flex ATX motherboards.
Please confirm the dimensions and fixing points of the motherboard prior to installation.

Required Tools: Copper stand offs, Motherboard screws.

4-2.1   According to motherboard specifications, select proper screw points, screw in the copper stand offs into the corresponding points on the motherboard.
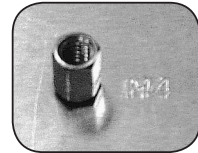
4-2.2   Change the motherboard I/O bracket on the rear panel (supplied by the motherboard manufacturer).

4-2.3 Secure the motherboard with the motherboard screws (refer to your motherboard manual to check what type of motherboard you have).

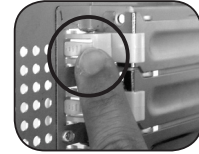| Motherboard	Code name	Motherboard screws	Case copper post
ATX	A1-A9	9	9
Micro ATX	U1-U9	9	9
Flex ATX	F1-F6	6	6
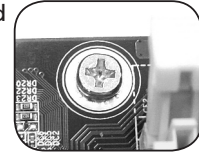
4-3 Installation of Add-on Card

This chassis supports tool-free installation of add-on cards, e.g. graphics cards, sound cards, and etc.
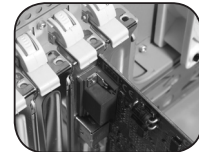
Required Tools: None

4-3.1 Unlock the corresponding PCI tool-free fastener by pushing it downwards.

4-3.2 Lift the fastener upwards and remove the internally attached dust-proof PCI cover.
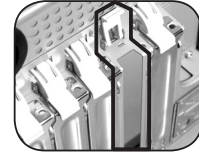
4-3.3 Insert the add-on card into the expansion slot and then lock the PCI tool-free fastener.

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4-4 Installation of Front Multi-Media I/O Ports

The front panel consists of:
(1) 2 x USB, 1 x IEEE 1394 and 1 x Audio Set (HD & AC'97)
(2) Basic casing power switch control cable kit.
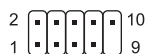Required Tools: None

NOTE

Please refer to the instructions supplied by the motherboard manufacturer and make sure the correct type of connector is used prior to installation.
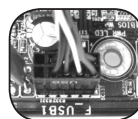
(1) 2 x USB, 1 x IEEE 1394 and 1 x Audio Set (HD & AC'97)

4-4.1 Insert the USB 2.0 connectors into the corresponding socket on the motherboard.

USB 2.0 connector

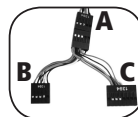| Pin	Definition	Pin	Definition
1	Power	6	USB Dy+
2	Power	7	GND
3	USB Dx-	8	GND
4	USB Dy-	9	
5	USB Dx+	10	USB Over current

4-4.2 Insert the IEEE 1394 connector into the corresponding socket on the motherboard.

IEEE 1394 connector A

Pin	Definition	Pin	Definition
1	TPA+	6	TPB-
2	TPA-	7	
3	GND	8	+12V
4	GND	9	+12V
5	TPB+	10	GND

IEEE 1394 connector B

Pin	Definition	Pin	Definition
1	TPA+	6	TPB-
2	TPA-	7	+12V
3	GND	8	+12V
4	GND	9	
5	TPB+	10	GND

IEEE 1394 connector C

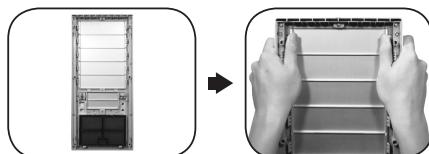| Pin	Definition	Pin	Definition
1	+12V	9	+12V
2	+12V	10	+12V
3	TPA+	11	TPA1+
4	TPA-	12	TPA1-
5	GND	13	GND
6	GND	14	
7	TPB+	15	TPB1+
8	TPB-	16	TPB1-
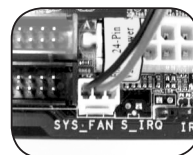
4-6 Installation of 5.25" Front Device Bay

This chassis can accommodate up to 5 x 5.25" front devices.
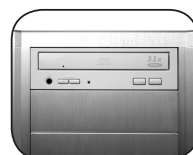Required Tools: None

4-6.1 Detach the front panel (see step 1-3.2 on page 6) and remove the mesh drive rail from the front panel.
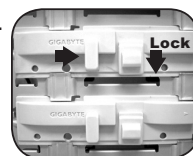

4-6.2 Remove the front EMI plate and attach the front panel onto the chassis.

4-6.3 Slide the 5.25" device into the drive bay from the front of the chassis.

4-6.4 Secure the 5.25" device with the internal latch. Refer to the figure for installation procedure.

4-7 Installation of 3.5" Front Device Bay

This chassis can accommodate up to 2 x 3.5" front devices.
Required Tools: None

4-7.1 Installation of 3.5" front devices is the same as 5.25" front devices, please refer to step 4-6.

## 4-8 Installation of 3.5" Internal Device Bay

This chassis provides internal device bays to accommodate up to 3 hard disc drives. The internal device requires securing runners, which can be found be found in the accessory box.

Required Tools: Securing runners (2 per hard disc drive)

4-8.1 Fit the securing runners on both sides of the HDD and slide the HDD into the internal device bay.

NOTE Additional HDD can be installed in the 3.5" front device bay. Slide in the HDD and lock the internal latch to secure the HDD.
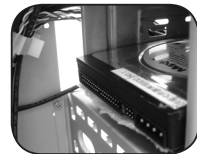
4-9 Foot Supports

This chassis is supplied with four high-end skid-proof foot supports for ensuring the casing is firmly seated on the holding surface.

4-10 Liquid Cooling System

This chassis can fully support the GIGABYTE 3D Galaxy liquid cooling system (it also supports majority of liquid cooling systems available commercially). While installing the liquid cooling system, please refer to the manual provided with the liquid cooling system.
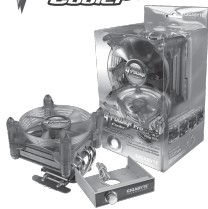
4-11 Recommended Cooling Products

This chassis is recommended to be used with GIGABYTE cooling products.