

# Poseidon

GZ-XA1CA-STB  
GZ-XA1CA-STS

User's Manual

20070301-GZXA1CA-STBSTS  
rev. 1002

### Poseidon Introduction

The chassis of Gigabyte Poseidon series is made by high-end Aluminum bezel design with dual 12cm (front and rear) silent fans to offer the best ventilation for the system. The internal cable management and tool-free design provide users with easier installation procedures and computer system management. Using the patent 2 colors front projector light with changeable LED colors (blue/white) and the see-through/air inlet side panel, users can customize their own style. For further information and specifications of the Poseidon series, please download them from Gigabyte's website.



The following are not covered by the warranty

1. Incorrect use or use of the product for any purpose other than its intended use.
2. Nonobservance of the proper operation provided. (e.g. over-clocking)
3. Malfunction due to interference from other devices.
4. Unauthorized modification of the product.
5. Consequential damage to other objects due to the product's fault.
6. Malfunction arising from casualties (earthquake, thunder, fire, or flood).
7. The warranty label of the product 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 the transportation of the computer product, resulting in damage to the chassis or computer-related devices.
9. Any loss arising from nonobservance of the proper operation provided is not covered by the warranty.



#### Caution

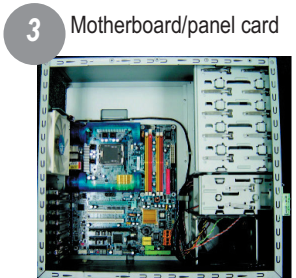
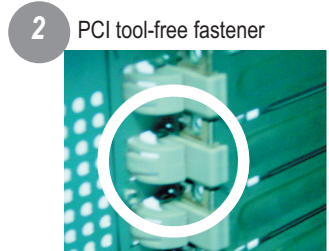
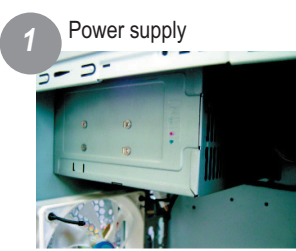
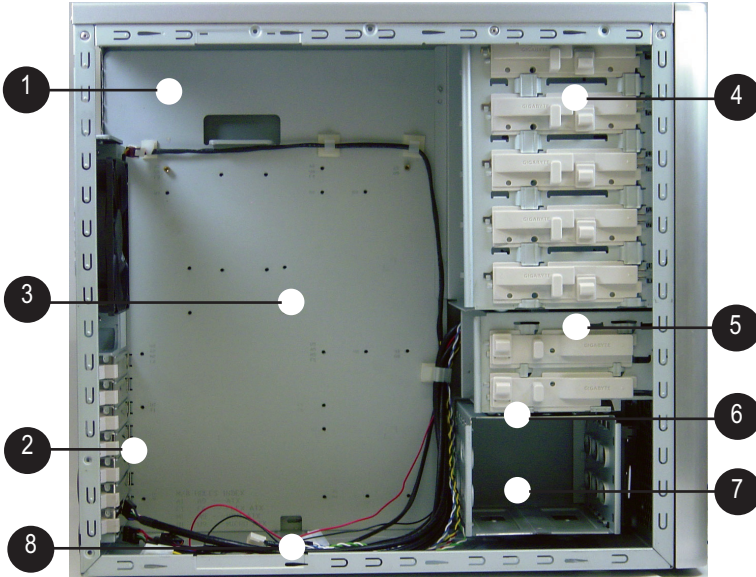
Failure to wear gloves during installation of computer products may cause damage to personnel and devices. Incorrect connector installation may possibly burn out the motherboard and other components. Be sure to observe the instructions on installation in the manual.

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# 1 Components Introduction

## 1-1 Chassis's Internal Structure



5 3.5" Floppy



6 Build-in hard disk



7 Accessory box



(Refer to the right figures for the attachments in the tool enclosure)



a. Standoff x 9



b. Securing runner x 6



c. Motherboard securing screw x 9



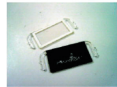
d. Wire clamp x 1



e. Power supply securing screw x 4

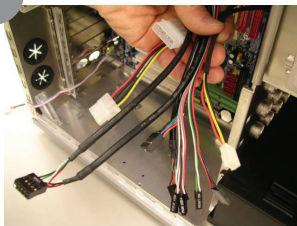


f. Magnet ring x 1



g. DIY transparent projector panel x 1  
(Equipped with Poseidon at shipment)

8 Front cable kit



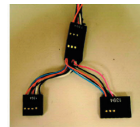
(Refer to the right figures for the cable connectors)



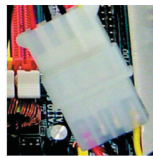
a. USB 2.0



b. HD AUDIO



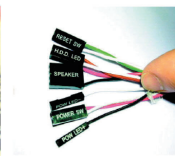
c. IEEE1394



d. Power supply of the front projector light



e. Power supply of front and rear fans



f. Basic chassis power switch control cable kit

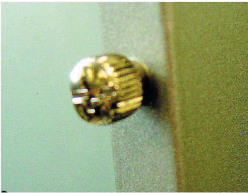
## 1-2 Side Panel Introduction

See-through side panel installation  
complete figure (A-1)

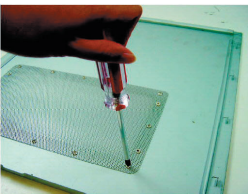
(Factory default: vent side panel)



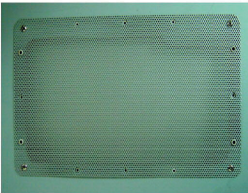
1-2-1 To replace the See-through side panel:



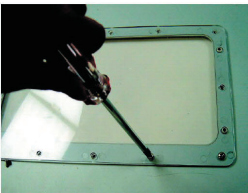
Step 1: Release 4 screws at the rear of the side panel to remove the panel.



Step 2: Remove the factory default perforated side panel.



Step 3: Draw out the perforated side panel.



Step 4: Place and screw the See-through side panel properly to complete the installation procedure.

### 1-3 Front and Rear Panel Instruction

1-3-1 To remove front panel:

Step 1: Remove the left and right side panels ( see Step 1-2-1 on Page 6) and slightly pull out both sides of the upper (see, Figure a) and lower (see Figure b) fasteners (see Figure c).



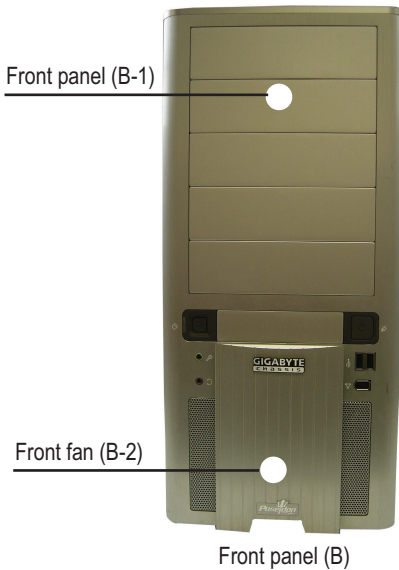
Figure a



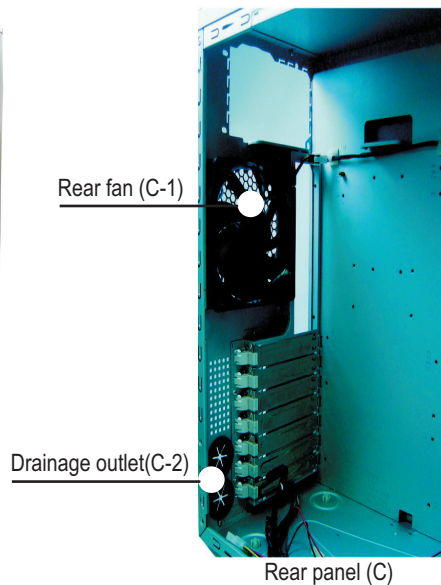
Figure b



Figure c



Front panel (B)



Rear panel (C)

## 2 Features

### - High quality design -

(Patent Pending) Customizable light beam projector w/ changeable LED color (Blue/White)  
High-end Aluminum bezel design  
Skidproof & shockproof foot stand

### - Integration of cooling technology -

(Patent pending) Integrated side panel (See-through & elegant vent design)  
Quad-ways front air-inlet design

### - Complete support -

Front bezel I/O (USB2, IEEE1394x1, HD audiox1)  
Dual 12cm silent & shockproof fan (Rear fan w/ LED)  
Supports water cooling systems

### - Convenience of assembly -

Internal Cable Management - provide users clean assembly environment  
Tool-less design & Hassle-Free Assembly

## 3 Specification

Model	: GZ-XA1CA-STB/GZ-XA1CA-STS
Case Type	: Mid-Tower
Dimension	: 200 x 440 x 495mm (W x H x D)
Front bezel Material	: Aluminum
Color	: Silver / Black
Side Panel	: Elegant Vent Design
Body Material	: SECC
Net Weight	: 8 kg
5.25" drive bay (External)	: 5
3.5" drive bay (External)	: 1
3.5" drive bay (Internal)	: 3
Expansion Slot	: 7
Compatible MB	: ATX / Micro ATX
System Fan (front)	: 120 mm silent fan x1
System Fan (rear)	: 120 mm silent fan w/ blue LEDs x1
I / O Ports	: USB2.0 x2 / IEEE 1394 x1 / HD audio x1 set
Optional Thermal Solutions	:
GIGABYTE Liquid Cooling	- 3D Galaxy Series
GIGABYTE Air Cooling	- G-Power Lite Series - 3D Rocket Series



## 4 Installation Instruction



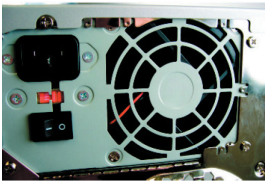
Please follow the reference sections for installation.

### 4-1 Installation of Power Supply

To facilitate the installation, it is recommended to place the Poseidon chassis upright on the table.  
Required tool: Power supply securing screw x 4.



4-1-1 Please remove the left side panel before placing the power supply into the chassis.



4-1-2 Use screws to secure the power supply from the rear side.

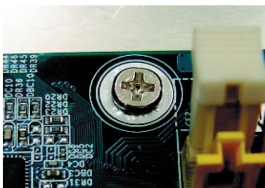
### 4-2 Installation of Motherboard

The Poseidon is compatible with the ATX/Micro ATX motherboard. Please confirm the dimension and specifications of the motherboard before installation.

Required tool: motherboard standoffs x 9 and securing screws x 9



4-2-1 According to motherboard specifications, select proper screw holes, engage the standoffs into the corresponding holes of the chassis.



4-2-2 Secure the motherboard with securing screws.

Motherboard	Code	Motherboard securing screw	Standoffs
ATX	A1-A9	9	9
MINI ATX	M1-M9	9	9
MICRO ATX	U1-U9	9	9
FLEX ATX	F1-F6	6	6

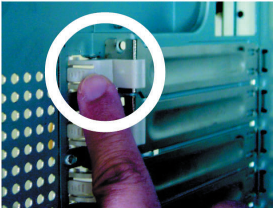


Select proper rear I/O panel of the motherboard (typically supplied by motherboard manufactures).

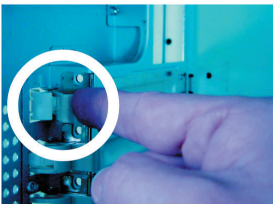
### 4-3 Installation of Interface Card

The Poseidon supports tool-free installation of interface cards, e.g. Graphic card and Network Card, etc.

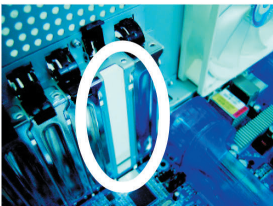
Required tool: None



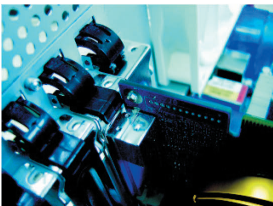
4-3-1 Unlock securing fasteners of the PCI socket; push the fastener downwards first.



4-3-2 And then, push the fastener upwards.



4-3-3 Remove the internally attached dust-proof PCI cover.



4-3-4 Insert the interface card into the expansion slot with care.



**NOTE** Make sure all interface cards are fully seated in the corresponding slots.

## 4-4 Installation of Front I/O Panel



CAUTION

Incorrect connector installation may possibly burn out the motherboard and other components. Be sure to observe the instructions on installation in the manual. Any loss arising from nonobservance of the proper operation provided is not covered by the warranty.

Different motherboards may have different installation positions. For detailed instructions, please refer to the instructions supplied by the motherboard manufacturer.

- The front panel consists of (1) Two USB 2.0 ports, one IEEE 1394, and one High Definition Audio connector.  
(2) Basic chassis power switch control cable kit

Required tool: None

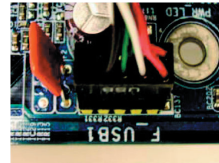
- (1) Two USB 2.0 ports, one IEEE 1394, and one High Definition Audio connector.

4-4-1 Insert the USB2.0 connector 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.



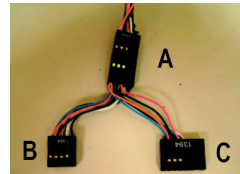
NOTE

Please refer to the instructions supplied by the motherboard manufacturer and make sure the correct type of connector prior to installation.

a. IEEE1394 Connector A



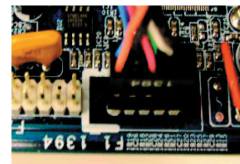
Pin	Definition	Pin	Definition
1	TPA+	6	TPB-
2	TPA-	7	
3	GND	8	+12V
4	GND	9	+12V
5	TPB+	10	GND



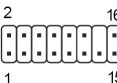
b. IEEE1394 Connector B



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



c. IEEE1394 Connector C

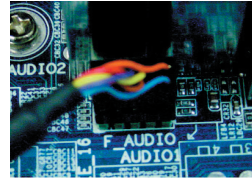


Pin	Definition	Pin	Definition
1	+12V	9	+12V
2	+12V	10	+12V
3	TPA+	11	TPA1+
4	TPA-	12	TPA1-
5	GND	13	GND
6	GND	14	
7	TPB+	15	TPB1+
8	TPB-	16	TPB1-

4-4-3 Attach the HD Audio connector to the pin located on the motherboard.



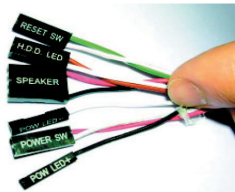
Pin	Definition
1	MIC2_L
2	GND
3	MIC2_R
4	-ACZ_DET
5	Line2_R
6	FSENSE1
7	FAUDIO_JD
8	No Pin
9	LINE2_L
10	FSENSE2



Pin	Definition	Pin	Definition
1	MIC	6	NC
2	GND	7	NC
3	MIC Power	8	NO Pin
4	NC	9	Line Out (L)
5	Line Out (R)	10	NC

(2) Basic chassis power switch control cable kit.

Follow the connectors listed below for installation (see the figure below).



Connector	Color
Speaker	Yellow(+) / Black(-)
Reset SW	Blue(+) / White(-)
Power SW	Orange(+) / White(-)
POW LED+	Green
POW LED-	White
H.D.D. LED	Red(+) / White(-)

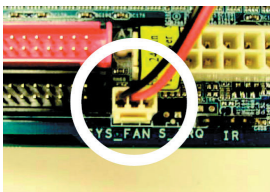


Be sure to remember that different motherboards may have different installation positions. For detailed instructions, please refer to the instructions supplied by the motherboard manufacturer.

## 4-5 Chassis's Internal Structure

The Poseidonis equipped with dual 12cm silent fans (front and rear).

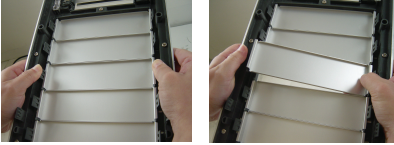
Required tool: None



4-5-1 Plug the front fan 3-pin power connector into the fan power connector of the motherboard system.

## 4-6 Installation of 5.25" Front Device Bay

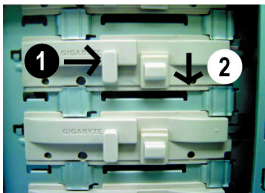
The installation of 5.25" CD-ROM is also intended for installation of general 5.25" front device bay.  
Required tool: None



4-6-1 Remove the front panel (see Step 1-3-1 on Page 7) and take off the 5.25" internal metallic panel.



4-6-2 Slide the 5.25" CD-ROM into the drive.



4-6-3 Refer to the installation order illustrated in the left figure and secure the 5.25" CD-ROM by controlling the latch. (Reverse steps for disassembly)



4-6-4 Installation completed.

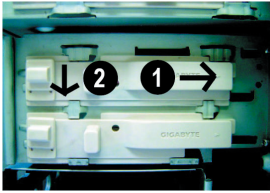
## 4-7 Installation of 3.5" Front Device Bay

The installation of 3.5" floppy disc drive intended for installation of general 3.5" front device bay  
Required tool: None



4-7-1 Remove the front panel (same as Step 4-6-1).

4-7-2 Slide the 3.5" floppy disc drive into the drive bay.



4-7-3 Refer to the installation order illustrated in the left figure and secure the 3.5" floppy disc drive by controlling the latch. (Reverse steps for disassembly)



4-7-4 Installation completed.

#### **4-8 Installation of Built-in HDD (Hard Disc Drive)**

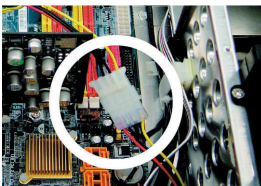
The Poseidon built-in HD drive bay can be installed with up to 3 HDDs. The built-in HDD requires securing runners, which are located in the accessory box below.

Required tools: 6 securing runners (in the accessory box)



4-8-1 Use the runners installed on both sides of the HDD evenly and slide the HDD into the hard disk drive bay.

#### **4-9 Power cable installation of the front projector light**



4-9-1 Plug the front projector light 4-pin power cable into the 4-pin connector on the motherboard.

## 4-10 DIY Front Bracket of Projector Light

The Poseidon is provided with another transparent projector panel, which can be DIY designed and replaced with the projector bracket under front panel.

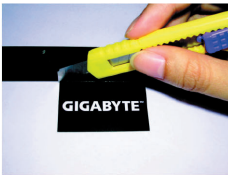
Required tool: transparent projector panel (slides and laser printer or copy machine should be provided by the user)



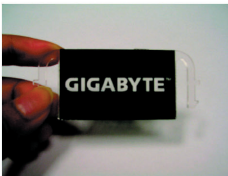
- 4-10-1 Please visit Gigabyte website (<http://gwebmanager1:7001/Products/Chassis/Default.aspx>) to search the Poseidon series case products by file name "DIYbracket\_Poseidon.doc".



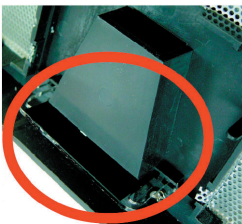
- Print out the slides by 1:1  
(Please use the laser printer or copy machine)



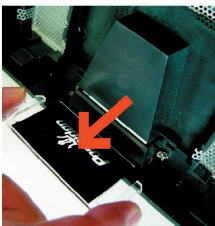
- 4-10-2 Trim the slide along the edge lines.



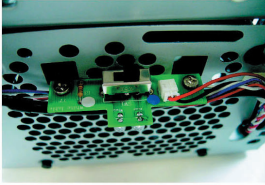
- 4-10-3 Post the trimmed slide onto the transparent projector panel.



- 4-10-4 Remove the factory default plate located in the bottom of the front panel.  
(See Figure a and Figure b)

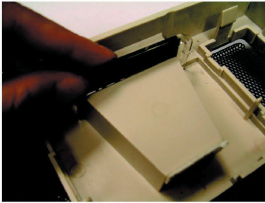


- 4-10-5 Push forward to remove the factory default plate.



4-10-6 There is a switch for changing the color of projection lamp on the case; the right side is blue and the left side is white.

White  Blue  
(Factory default)



4-10-7 Place the completed transparency plate on the bottom position of the front panel and refit the front panel.



4-10-8 DIY projector installation complete figure.

## 4-11 Foot Stand Instruction

The Poseidon is supplied with four skid-proof foot stands for ensuring the chassis is firmly seated on the holding surface.



4-11-1 High-end skid-proof food stand.



## 4-12 Liquid Cooling System Support

The Poseidon series chassis can fully support the Gigabyte 3D Galaxy Liquid cooling kit (also support most of the liquid cooling systems commercially available). While installing the liquid cooling system, please consult its manual first.

## 4-13 Recommended Air Cooling

The Poseidon is recommended to be used with the Gigabyte Air Cooling series.



