

Poseidon 310

English User's Manual

GZ-AA3CB-SJS / SJB



Thank you for purchasing GIGABYTE Tech. thermal product. GIGABYTE Tech. is dedicated to the integration of casing water/air-cooling solution technology to provide users with the most optimal solution for thermal dissipation. For further information and specifications of the "Poseidon" series, please visit GIGABYTE Tech. 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 operation provided
3. Malfunction due to interference from other devices
4. Unapproved modification of the product
5. Consequential damage to other devices due to the product's fault.
6. Malfunction arising from natural hazards, e.g. earthquake, lightning, 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

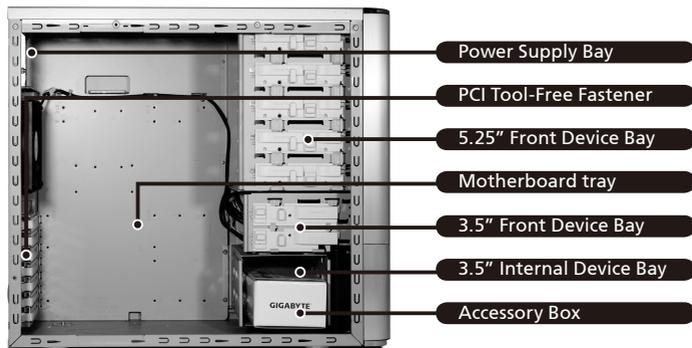
Failure to wear gloves during installation of computer products may cause bodily harm or damage to your devices. Incorrect connector installation may possibly burn out the motherboard and other components. Be sure to observe the instructions in installation manual.

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1.Components Introduction

1-1 Casing's Internal Structure



Accessory Box (Refer to the figures below for the attachments in the accessory box)



Securing Runner x 6



Copper Stand Off
x 9



Motherboard
Securing Screw x 9



Power Supply
Securing Screw x 4



Large Wire Clamp
x 2



Mini Wire Clamp
x 3



Magnet Ring x 1



Dust Remover
Cloth

Front Cable Kit (Refer to the figures below for the cable connectors)



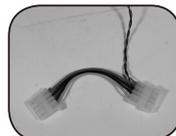
USB 2.0



Audio Set
(HD & AC'97)



IEEE1394
(Multi-connectors)



Front Light 4-Pin
Power Connector



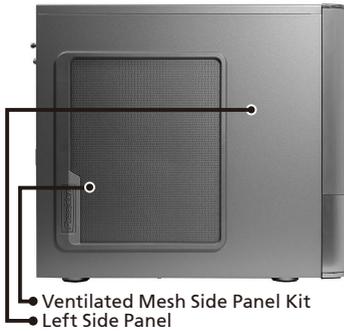
3-Pin Fan Connector



Power SW/Speaker
Connector

1-2 Front, Rear, and Left Side Panel Structure

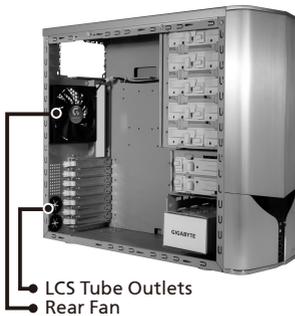
a) Left Side Panel



b) Front Panel



c) Rear Panel



d) Bottom Panel



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 panel, and detach the side panels.



1-3.2 To remove front panel:

- 1-3.2a Remove the left and right side panels, release the 4 clamps that hold the front panel onto the chassis.



2.Feature

-High Quality Design

Innovative sleek dual-tone design coupled with sophisticated yet simple, precise workmanship.
Illuminated and atmospherically-soothing backlight for a post-modern classy impression.
Removable / washable air-intake filter.

-Complete Support

Complete front panel multi-media support, include 2 x USB 2.0, 1 x IEEE1394, 1 x audio set (HD & AC97)
Full Support of Gigabyte Tech. thermal solution LCS and Air cooling products lines Support ATX / Micro ATX / Flex ATX motherboard.

-Integration of Cooling Technology

Intergrated Ventilated Mesh / transparent side panel.

-Convenience of assembly

Internal Cable Management – provides users with a clean assembly environment.
Tool-free installation design.

3. Specifications

Model	GZ-AA3CB-SJS/SJB
Case Type	Middle Tower
Size	200 x 440 x 505mm (W x H x D)
Front Bezel Material	Aluminum
Color	Silver or Black
Side panel	Interchangeable transparent / ventilated-mesh side panel
Body material	0.7mm SECC
Net weight	8.8 KG
5.25" drive bay (External)	5
3.5 drive bay (External)	2
3.5 drive bay (Internal)	3
Expansion slots	7
Form factor	ATX / Micro ATX / Flex ATX
System Fan (front)	One 120mm silent fan
System Fan (rear)	One 120mm silent fan
I / O Ports	USB2.0 x 2 / IEEE1394 x 1 / audio set x 1 (HD-AC'97)

4. Installation Instruction



Please follow the reference sections in order for installation

4-1 Installation of Power Supply

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

Required Tools: Power supply securing screw x 4; Cross screwdriver.

- 4-1.1 Remove side panel (see step 1-3.1 on page 5). Place the power supply into the power supply bay.



- 4-1.2 Use the 4 x securing screws to secure the power supply to the rear of the chassis.



4-2 Installation of Motherboard

The Poseidon 310 can support ATX / Micro ATX / Flex-ATX motherboards. Please confirm the dimension and specifications of the motherboard before installation.

Required Tools: Cross screwdriver, Copper stand offs x 9 and Motherboard screws x 9.

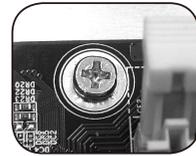
- 4-2.1 According to the motherboard specifications, select the proper screw holes. First screw the copper stand offs into the corresponding holes of the chassis.



- 4-2.2 Install the motherboard rear I/O panel (supplied by the motherboard manufacturer).



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



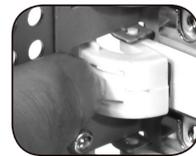
Motherboard	Code name	Motherboard screws	Case copper post
ATX	A1-A9	9	9
Micro ATX	U1-U9	9	9
Flex ATX	F1-F6	6	6

4-3 Installation of Add-on Card

The Poseidon 310 does not require any tools for installation of add-on cards, e.g. Graphics card and network card.

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.



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



WARNING

Incorrect connection of the slots can cause the motherboard to malfunction or completely destroy the motherboard. Please read the manual carefully in the installation as incorrect installations or connection causing faults will void your warranty.

The front panel consists of:

- (1) 2 x USB 2.0, 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 2.0, 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

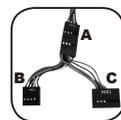


- 4-4.2 Insert the IEEE 1394 connector into the corresponding socket on the motherboard.

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



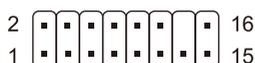
IEEE 1394 connector B



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



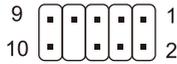
IEEE 1394 connector C



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-

- 4-4.3 Insert the Audio connector into the corresponding socket on the motherboard.

HD AUDIO



Pin	Definition	Pin	Definition
1	MIC2_L	6	FSENSE1
2	GND	7	FAUDIO_JD
3	MIC2_R	8	
4	-ACZ_DET	9	LINE2_L
5	LINE2_R	10	FSENSE2



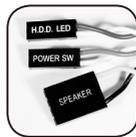
AC'97



Pin	Definition	Pin	Definition
1	MIC	6	NC
2	GND	7	NC
3	MIC Power	8	
4	NC	9	Line Out(L)
5	Line Out(R)	10	NC

(2) Basic casing power switch control cable kit.

Follow the connectors list below for installation (see figure below)



Connector	Color
Speaker	Yellow(+) / Black(-)
Power SW	Orange(+) / White(-)
HDD LED	Red(+) / White(-)



CAUTION

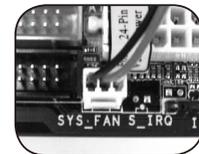
Different motherboards have different installation areas and specifications, screw holes and connectors. For detailed instructions, please refer to the motherboard user manual supplied by the motherboard manufacturer.

4-5 Connection of Fan Power Cables

The Poseidon 310 has one 12cm silent cooling fan in the front and one in the rear. This case includes internal connectors that connects the front and rear fans making it a single 3-pin connector.

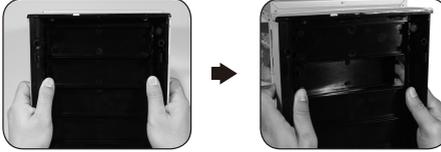
Required Tools: None

- 4-5.1 Plug the 3-pin connector into the corresponding system fan socket on the motherboard.



4-6 Installation of 5.25" Front Device Bay

- 4-6.1 Detach the front panel (see step 1-3.2 on page 5) 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

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

4-8 Installation of 3.5" Internal Device Bay

The Poseidon 310 provides built-in bays to accommodate up to 3 hard disc drives. The built-in HDD requires securing runners, which can 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 drive bay.



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

The Poseidon 310 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 Support

The Poseidon 310 casing can fully support the GIGABYTE 3D Galaxy Liquid Cooling System (it also supports majority of the 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

The Poseidon 310 is recommended to be used with GIGABYTE Cooling products.

