

Power supply

1. Warnings and Safety Precautions

- Warning) Neglecting the following may cause serious injury or death.
- Opening the cover of the product while the power cord is plugged into an outlet may cause electrocution or critical damage to the product.
 - Handling the power cord with wet hands may cause electrocution.
 - Inserting fingers or metallic objects into the cooling fan may cause injury or electrocution.
- Caution) Neglecting the following may cause minor injuries, degrade product conditions or cause malfunction.
- Operating the product in an extremely cold or hot environment can degrade product performance and lifespan.
 - Exposure to liquids may cause malfunction.
 - Operation in a humid or non-ventilated environment may reduce product lifespan.
 - Plugging the main power connector P1 into the motherboard while the product is connected to the AC power source may cause damage to the motherboard.
 - Make sure that the connectors are connected to their designated locations, and that the connectors are not oriented in the wrong direction when connecting the DC output connectors.
 - Please use gloves to prevent injuries during installation.
 - Product designs and specifications may be revised without prior notification to improve quality and performance

2. Definition



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3. Pin Description

(20+4)pin connector

Pin	Color	Signal	Pin	Color	Signal
1	Orange	+3.3 V _{DC}	11/13	Orange	+3.3 V _{DC}
2	Orange	+3.3 V _{DC}	12/14	Blue	+12 V _{DC}
3	Black	COM	13/15	Black	COM
4	Red	+5 V _{DC}	14/16	Green	PS_ON/OFF
5	Black	COM	15/17	Black	COM
6	Red	+5 V _{DC}	16/18	Black	COM
7	Black	COM	17/19	Black	COM
8	Gray	PWR_OK	18/20	Red	+5 V _{DC}
9	Purple	+5 V _{DC}	19/21	Red	+5 V _{DC}
10	Yellow	+12 V _{DC}	20/22	Red	+5 V _{DC}
11	Yellow	+12 V _{DC}	23	Red	+5 V _{DC}
12	Orange	+3.3 V _{DC}	24	Black	COM

(4+4)8pin connector

Pin	Color	Signal	Pin	Color	Signal
1	Black	COM	5	Black	COM
2	Black	COM	6/8	Yellow	+12 V _{DC}
3	Black	COM	7	Yellow	+12 V _{DC}
4	Black	COM	8	Yellow	+12 V _{DC}

PCI-Express (6+2)pin Connector

Pin	Color	Signal	Pin	Color	Signal
1	Yellow	+12 V _{DC}	5	Black	COM
2	Yellow	+12 V _{DC}	6	Black	COM
3	Yellow	+12 V _{DC}	7	Black	COM
4	Black	COM	8	Black	COM

Molex 4pin connector

Pin	Color	Signal	Pin	Color	Signal
1	Red	+5 V _{DC}	3	Black	COM
2	Black	COM	4	Yellow	+12 V _{DC}

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SATA 5pin connector

Pin	Color	Signal	Pin	Color	Signal
1	Black	COM	4	Black	COM
2	Black	COM	5	Yellow	+12 V _{DC}
3	Red	+5 V _{DC}			

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5. Install Step by Step

- A. Unplug the power cord and ensure that the power switch is off (I/O switches to O).
B. Fix SilentEZ into the PC.



- C. Connect (20+4)pin main power with motherboard.

I. (20+4)pin main power together connect with 24pin socket.

II. Separate 20pin of (20+4)pin connect with 20pin socket.

III. Separate 4pin can not be connected with any possible socket.

- D. Connect 12V (4+4)pin connector with motherboard (if necessary).

I. 12V 4pin connector plug in 4pin power socket.

II. 12V (4+4)8pin connector plug in 8pin power socket.

- E. Connect graphics card power connector with graphics card (if necessary).

I. PCI-Express 6pin connector plug in 6pin power socket.

II. Molex/VGA 4pin connector plug in 4pin power socket.

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- F. Connect power connector with peripherals

I. Molex 4pin connector connect with HDD or optical drive.

II. FDD 4pin connector connect with FDD.

III. SATA 5pin connector connect with SATA HDD.

Case fan 4pin connector connect with 4pin fan.

- G. Finish installation.
I. Close PC case.
II. Connect power cord with power supply and power outlet.
III. Turn on power. (I/O switches to I).

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6. Trouble shooting

- If your PC system does not respond, please follow the instructions below:
- Ensure the AC power cord is connected tightly and the AC power switch is turned on.
 - Ensure all DC output connectors are connected in the right direction and plugged in securely.
 - Check whether there are any short-circuit problems or defective peripherals by unplugging all peripheral devices and plugging them back in one at a time.
 - If one of the above mentioned steps reveals a problem, turn off the PSU and wait for 1-2 minutes. Then turn on the PSU again. This is necessary in order to release the latch condition of the protection circuit.
 - If the PSU does not work properly after the above steps, please arrange to send it back to your place of purchase.