
RM48

RM49

4U Rackmount Server Chassis with 360mm Radiator
Support for Horizontal or Vertical Placement

User manual

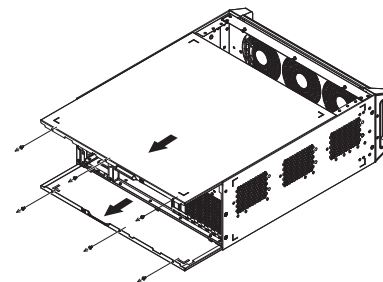
www.silverstonetek.com

Accessories Content

			
Motherboard Standoff	M3 screws for the motherboard, 2.5" SSD, and graphics card support bracket	#6-32 screws for 3.5" HDDs, PSU, and graphics card spare parts	CRPS cover
			
Graphics card support bracket	Rubber foot for the graphics card support bracket	Triangular rubber foot	Rubber foot for PSU
			
Cable ties	Nameplate		

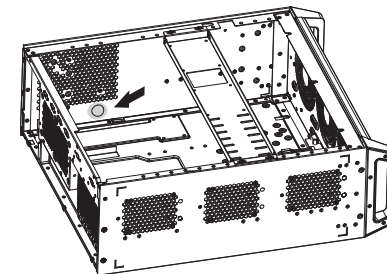
Side Panel Removal

1-1 Remove the screws from both side panels, then remove the side panels.



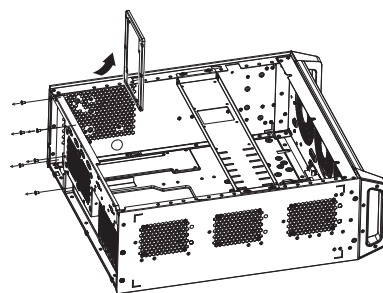
Power Supply Installation: PS2 (ATX)

2-1 Attach the rubber pad to the inside of the right side panel.

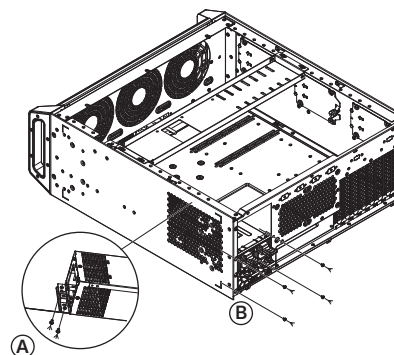


Power Supply Installation: 2U CRPS Redundant

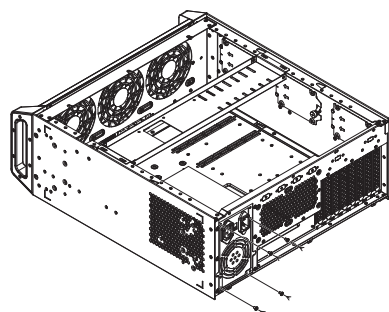
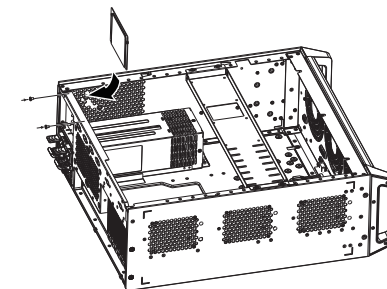
3-1 Remove the power supply mounting bracket.



3-2 a. Secure the front of the power supply.
b. Secure the power supply to the rear panel of the chassis.

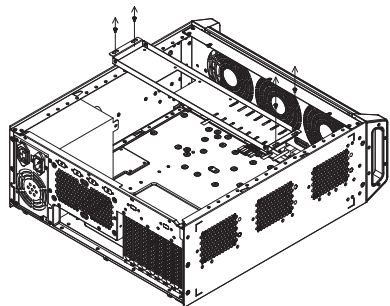


3-3 Install the power supply cover plate and secure it to the rear panel of the chassis

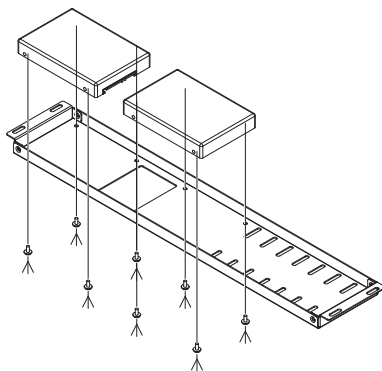


2.5" Drive Installation on the Upper Bracket

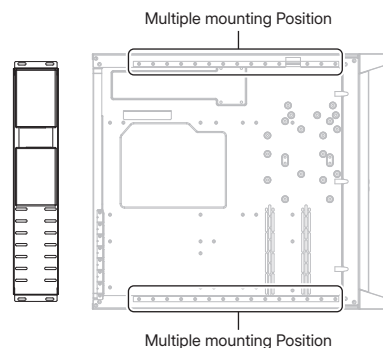
4-1 Remove the screws, then remove the upper bracket.



4-2 Secure the 2.5" Drive to the upper bracket.

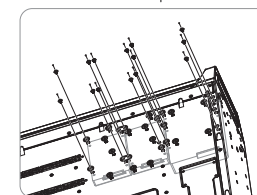
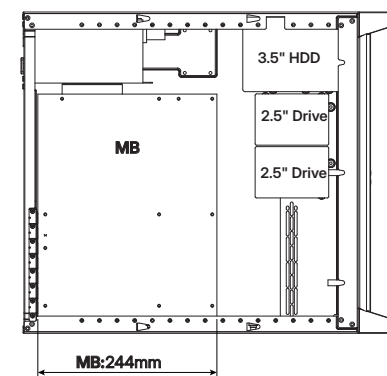


4-3 The chassis provides multiple mounting positions for the upper bracket. Select a suitable.
 a. When using the first mounting hole at the front, position the upper bracket as far back as possible to avoid interference.
 b. When securing the upper bracket, make sure it does not interfere with the chassis intrusion detection switch.



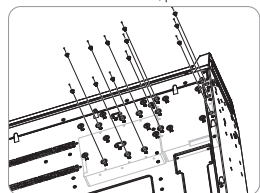
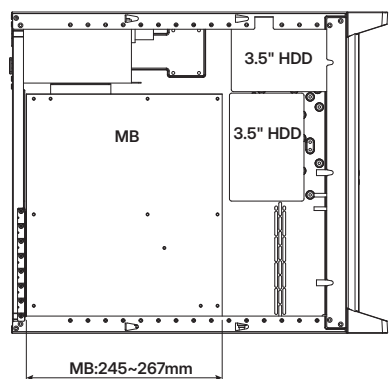
2.5" / 3.5" Drive Installation on the Motherboard Tray

5-1 Motherboard depth: 244mm
 Supports 1 × 3.5" HDD and 2 × 2.5" Drives



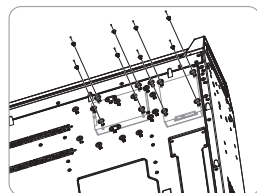
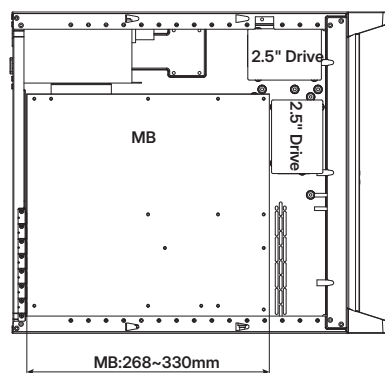
Secure the drives from the underside of the motherboard tray.

5-2 Motherboard depth: 245~267mm
 Supports 2 × 3.5" HDDs



Secure the drives from the underside of the motherboard tray.

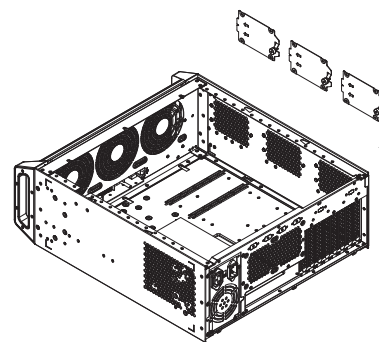
5-3 Motherboard depth: 268~330mm
 Supports 2 × 2.5" Drives



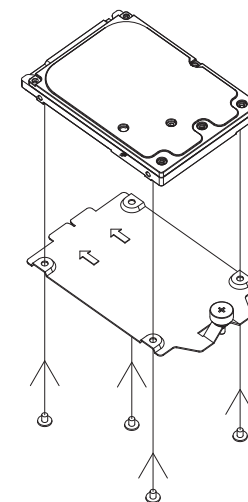
Secure the drives from the underside of the motherboard tray.

2.5" Drive Installation on the Left Side of the Chassis

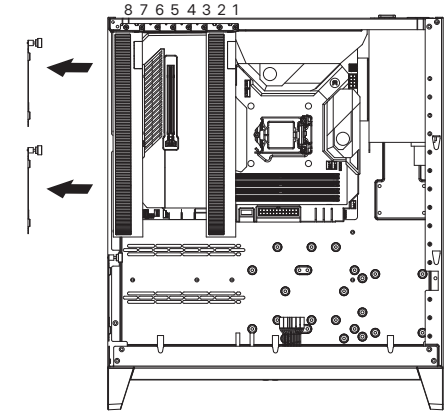
6-1 Remove the 2.5" Drive trays.



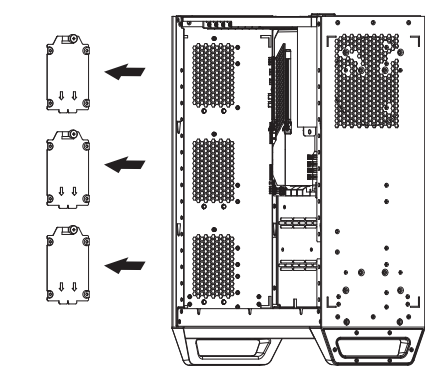
6-2 Install a 2.5" Drive onto the tray, then secure the tray to the left side of the chassis.



6-3 If an expansion card installed in the eighth slot interferes with a 2.5" SSD tray, remove the corresponding tray based on the card length and cooling requirements.

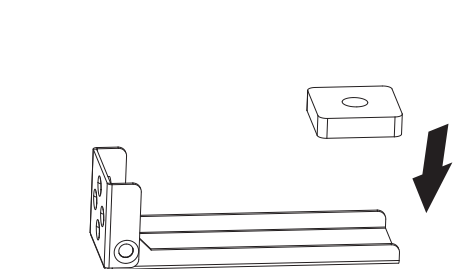


*Depending on the system's cooling requirements, the 2.5" Drive trays can be removed to improve airflow.

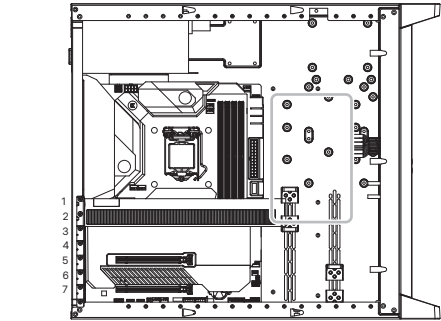


Graphics Card Support Bracket Installation in Vertical Chassis Orientation

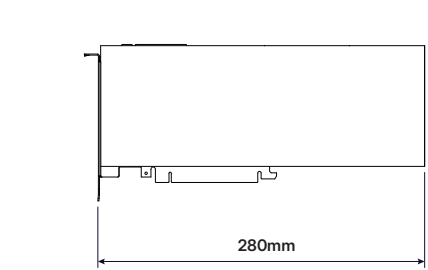
7-1 Attach the rubber pads to the graphics card support bracket.



7-2 Adjust the orientation and position of the graphics card support bracket based on how the chassis is positioned (with either the left or right side panel facing downward), then secure the bracket. Supports graphics cards installed only in slots 1-7. **Please Note:** Ensure that the graphics card fan does not interfere with the graphics card support bracket.



7-3 The graphics card must be longer than 280mm and longer than the motherboard depth.

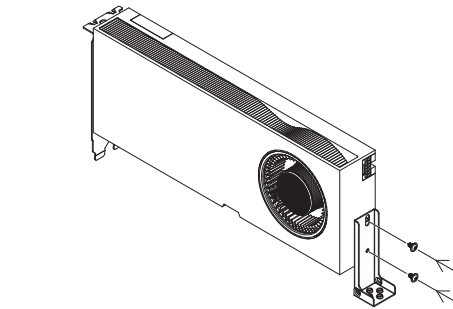


Support Bracket Installation for Professional Graphics Cards

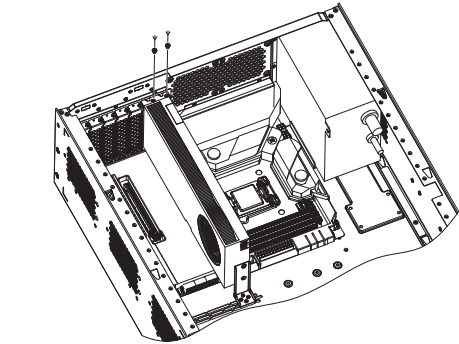
8-1 Please refer to the official website for the support list.

Supported Graphics Cards	6000	5000	4500
Ampere	RTX A6000	RTX A5000	RTX A4500
Ada	RTX 6000 Ada	RTX 5000 Ada	RTX 4500 Ada
Blackwell	RTX PRO 6000 Blackwell Max-Q / Server	RTX PRO 5000 Blackwell	RTX PRO 4500 Blackwell

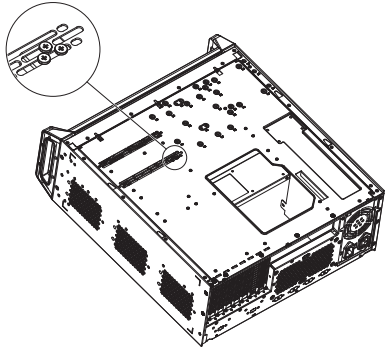
8-2 Secure the support bracket to the front end of the graphics card using M3 screws.



8-3 Install the graphics card and support bracket into the chassis

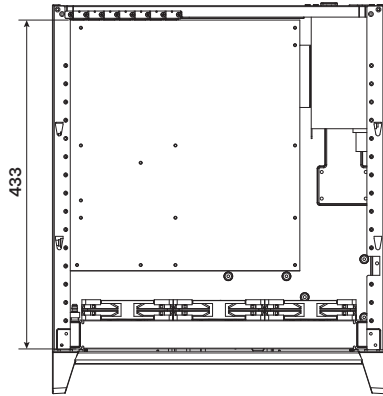


8-4 Secure the graphics card support bracket from the underside of the chassis using #6-32 screws.

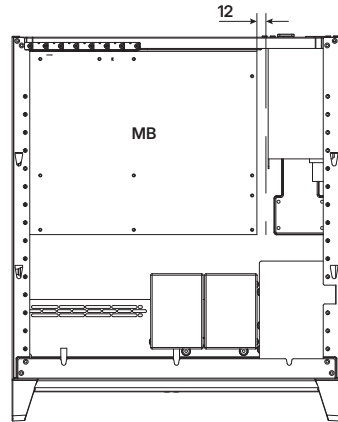


Motherboard Size Limitations

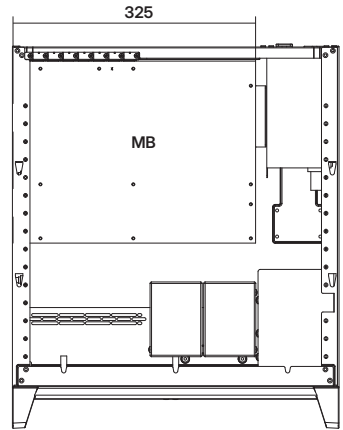
9-1 Motherboard compatibility is affected by the following two conditions:
a. The combined length of the motherboard and the front radiator/fan thickness must not exceed 433mm.
b. Drive installation method: Please refer to Steps 5-1, 5-2, and 5-3.



9-2 When using a standard-size motherboard, it may extend up to 12mm beyond the right edge.

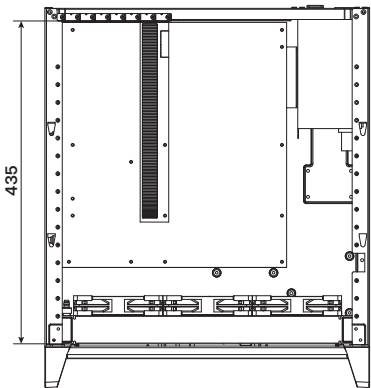


9-3 When using a standard-size motherboard, the maximum available width from the motherboard to the left side is 325mm.



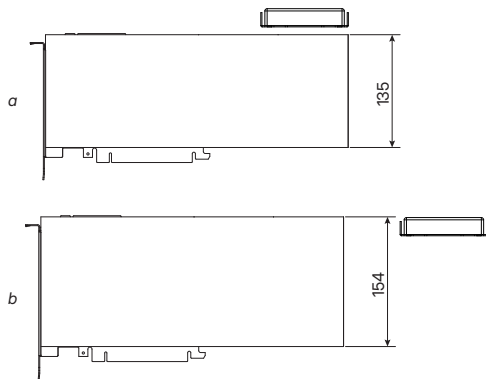
Radiator and Expansion Card Length Limitations

9-4 The combined length of the front 120mm fan, radiator, and expansion card must not exceed 435mm.



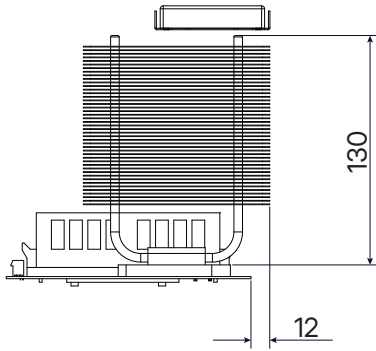
Graphics Card Width Limitations

9-5 *a.* Upper bracket installed directly above the graphics card: Maximum graphics card width: 135mm
b. No graphics card directly below the upper bracket: Maximum graphics card width: 154mm

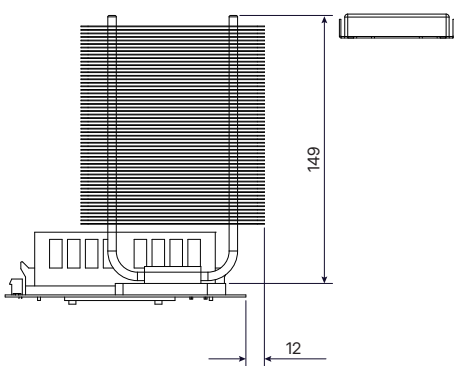


CPU Cooler Height Limitations

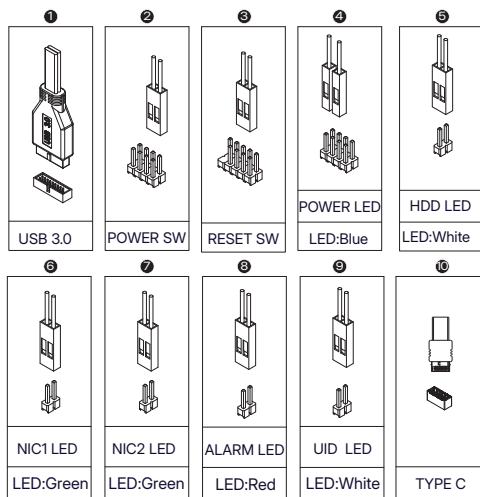
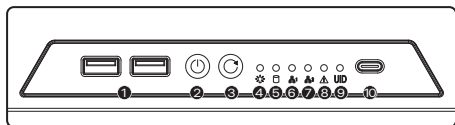
9-6 Upper bracket installed above the CPU cooler:
 Maximum CPU cooler height: 130mm



9-7 No CPU cooler below the upper bracket:
 Maximum CPU cooler height: 149mm

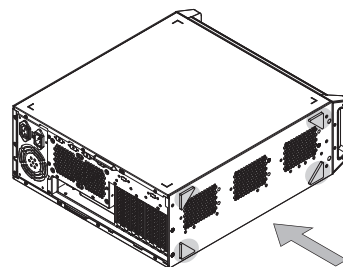
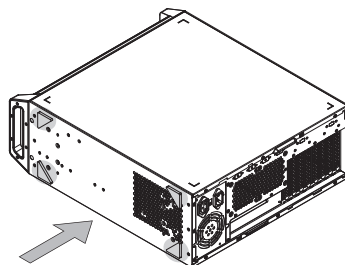


Front I/O Cables

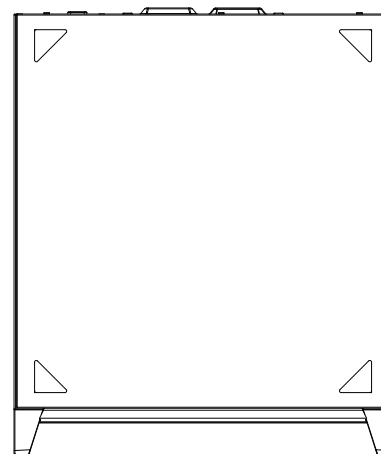


Customizable Rubber Foot Installation

11-1 Vertical orientation: With either the left or right side facing downward, attach the triangular rubber feet at the positions shown.



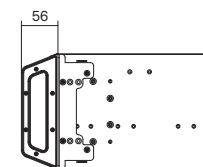
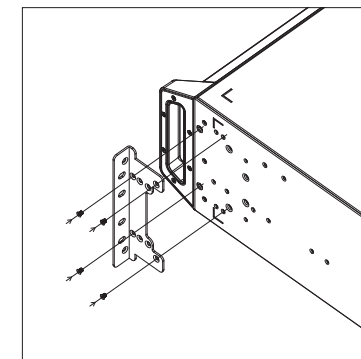
11-2 Horizontal orientation: With the bottom panel facing downward, attach the triangular rubber feet at the positions shown.



Customizable Accessory Installation

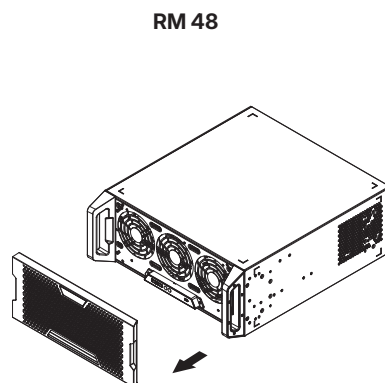
11-3 When installing the chassis in a server rack, select the appropriate mounting holes for the front rackmount ears based on the rack configuration.

Position 1

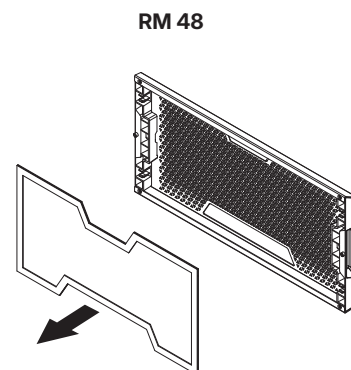


Filter Cleaning

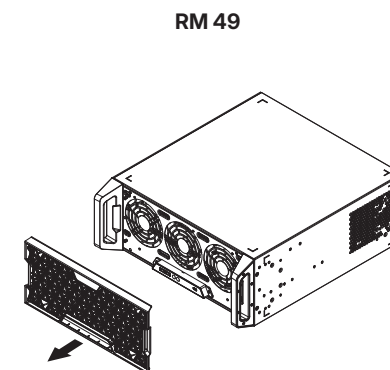
12-1 Remove the panel.



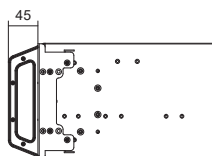
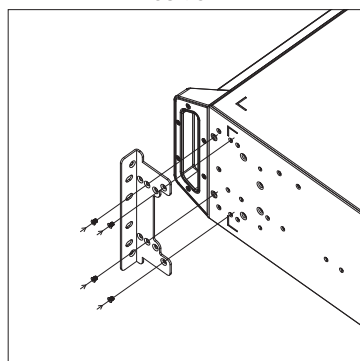
12-2 Remove the filter.



12-3 Remove the panel and filter assembly.

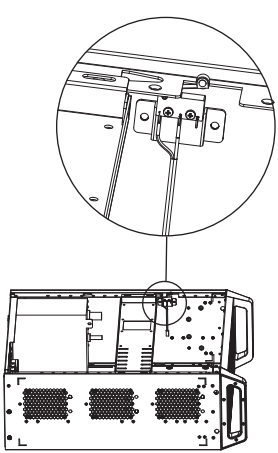


Position 2

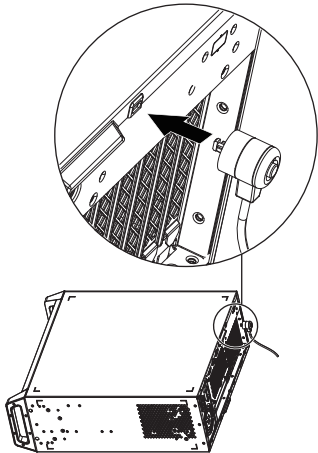


Safety Features

13-1 The chassis intrusion detection switch (requires motherboard support) can detect whether the top cover has been opened. Installing the top cover closes the circuit and enables the detection function.



13-2 The Kensington security slot can be used to secure the top cover. Kensington lock sold separately.



Warranty Information

This product has a limited 1 year warranty in North America and Australia.
For information on warranty periods in other regions, please contact your reseller or SilverStone authorized distributor.
本产品自购买之日起，于中国地区（不包含澳门，香港特别行政区）享有一年有限保证责任（部分产品为二年，三年或五年）。
详细保固年限请参考官方网站 <https://silverstonetek.com.cn/> 公布之产品型号为依。

Warranty terms & conditions

- Product component defects or damages resulted from defective production is covered under warranty. Defects or damages with the following conditions will be fixed or replaced under SilverStone Technology's jurisdiction.
 - Usage in accordance with instructions provided in this manual, with no misuse, overuse, or other inappropriate actions.
 - Damage not caused by natural disaster (thunder, fire, earthquake, flood, salt, wind, insect, animals, etc...)
 - Product is not disassembled, modified, or fixed. Components not disassembled or replaced.
 - Warranty mark/stickers are not removed or broken.Loss or damages resulted from conditions other than ones listed above are not covered under warranty.
- Under warranty, SilverStone Technology's maximum liability is limited to the current market value for the product (depreciated value, excluding shipping, handling, and other fees). SilverStone Technology is not responsible for other damages or loss associated with the use of product.
- Under warranty, SilverStone Technology is obligated to repair or replace its defective products. Under no circumstances will SilverStone Technology be liable for damages in connection with the sale, purchase, or use including but not limited to loss of data, loss of business, loss of profits, loss of use of the product or incidental or consequential damage whether or not foreseeable and whether or not based on breach of warranty, contract or negligence, even if SilverStone Technology has been advised of the possibility of such damages.
- Warranty covers only the original purchaser through authorized SilverStone distributors and resellers and is not transferable to a second hand purchaser.
- You must provide sales receipt or invoice with clear indication of purchase date to determine warranty eligibility.
- If a problem develops during the warranty period, please contact your retailer/reseller/SilverStone authorized distributors or SilverStone <http://www.silverstonetek.com>. Please note that: (i) You must provide proof of original purchase of the product by a dated itemized receipt; (ii) You shall bear the cost of shipping (or otherwise transporting) the product to SilverStone authorized distributors. SilverStone authorized distributors will bear the cost of shipping (or otherwise transporting) the product back to you after completing the warranty service; (iii) Before you send the product, you must be issued a Return Merchandise Authorization ("RMA") number from SilverStone. Updated warranty information will be posted on SilverStone's official website. Please visit <http://www.silverstonetek.com> for the latest updates.

Additional info & contacts

For North America (usasupport@silverstonetek.com)
SilverStone Technology in North America may repair or replace defective product with refurbished product that is not new but has been functionally tested.
Replacement product will be warranted for remainder of the warranty period or thirty days, whichever is longer. All products should be sent back to the place of purchase if it is within 30 days of purchase, after 30 days, customers need to initiate RMA procedure with SilverStone Technology in USA by first downloading the "USA RMA form for end-users" form from the below link and follow its instructions. <http://silverstonetek.com/contactus.php>
For Australia only (support@silverstonetek.com)
Our goods come with guarantees that cannot be excluded under the Australian Consumer Law.
You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.
Please refer to above "Warranty terms & conditions" for further warranty details.
SilverStone Technology Co., Ltd. 12F No. 168 Jiankang Rd., Zhonghe Dist., New Taipei City 235 Taiwan R.O.C. + 886-2-8228-1238 (standard international call charges apply)
For Europe (support.eu@silverstonetek.de)
For China (support@silverstonetek.com.cn)
For all other regions (support@silverstonetek.com)

有毒有害物质/元素及其化学含量表						
部件名称	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr(VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
机壳 (金属)	○	○	○	○	○	○
风扇	-	○	○	○	○	○
线材	○	○	○	○	○	○
螺丝	○	○	○	○	○	○
包材	○	○	○	○	○	○

本表格依据SJ/T 11364的规定编制
○：表示该有毒有害物质在该部件所有均质材料中的含量均在GB/T 26572 规定的限量要求以下。
-：系指该项目禁用物质为排除项目



产品合格证
检验员：杨01
生产日期：见产品条码

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