HR-EB101 SERIES

M.2 SSD DRIVE ENCLOSURE

M.2固态硬盘盒

使用说明书

USER MANUAL

注意事项

使用前请阅读完整产品说明书，并按说明正确操作。

如果是非原装设备，零售代理商是否可提供完整正常使用。

如果使用前发现产品有任何问题请立即停止，请先进行充分检查并确定无误后再投入正常使用，因不按照说明书操作而导致的故障或损坏，我们概不负责。

产品出厂已经过可行的检验程序，不考虑可能造成的已知危险情况，但是，我们无法对设备最终应用负责任何责任，以保证用户自己的权益。

如遇到问题请通过我们的客服与技术支持部门联系，或寻找专门的服务产品或者经验者，以免造成不必要的损失。

产品规格

HR-EB101 / HR-EB101 Dual / HR-EB101 AC / HR-EB101 Dual AC	
接口规格	PCIE*1 / Gen3 / Max 1 TB/s
支持协议	NVME / AHCI
支持SSD规格	M.2 2280 / M.2 2260 / M.2 2242
传输速率	Up to 10 Gbps
供电电压	5.25Vdc
产品重量	0.17kg
保修期限	1 year
兼容性	Windows 7/8/10/11 and above Linux 2.6.33 and above Mac OS X 10.4 and above

包装清单



硬盘盒*1



HR-EB101：USB-A to C *1

HR-EB101 Dual：USB-A to C *2

HR-EB101 AC：USB-A to C，USB-C to C *1



螺丝垫脚组*2



散热贴*1

M.2 SSD固态硬盘*1

螺丝刀*1

使用说明

1、取掉硬盘尾巴的硬盘盒盖。

2、可以根据M.2固态硬盘的长度，将尾巴上的螺丝拧下，取出螺丝垫脚组，将螺丝垫脚组安装到螺丝孔的对应位置，并将螺丝拧紧。



3、将有热贴的那一面朝下插到有金手指的一端，轻轻的压硬盘，注意硬盘的方向，金手指要插进对应插槽内并将硬盘压到底，轻轻的推动将有热贴的那面放平。



4、将硬盘盒上，按压平整，将螺丝旋回拧紧。



5、用数据线连接电脑，电脑会直接进入电盘，即可正常使用。（如果是新硬盘，需要先对其进行初始化操作后才可以使用，操作方法见图片右侧第10）。



6、关于数据线部分：电脑为USB3.0/3.1时使用A to C，用于连接不带数据线的固态硬盘。



智能固态硬盘需要相对应的USB3.2及更高Gen2x2的条件，但是数据的读写速度会受到Gen2x2的限制，最大速度是固定的，例如主板Gen2x2的条件，则固态硬盘会自动降为Gen2x2速度。



7、将热贴贴面朝下一侧放扩展散热板后，轻按SSD硬盘上（尽量将硬盘的热一面贴紧散热板以提升热传导效率），轻轻按散热板两侧直至卡扣卡紧。



8、将硬盘盒上，按压平整，将螺丝旋回拧紧。



9、SSD固态硬盘：SSD固态硬盘是断电后数据不丢失的存储介质，区别于传统的机械硬盘，没有机械结构，不怕震动，不会产生机械噪音，体积小，重量轻，读写速度快。

10、SSD固态硬盘的初始化：第一次使用全新的SSD固态硬盘，或者SSD固态硬盘曾经在别的电脑中使用过，需要对硬盘进行初始化操作，否则将无法识别到硬盘。

初始化步骤：

- 进行常用，电源灯常亮
- 进行闪烁，数据传输中



FAQ环节

Q1：为什么硬盘盒在我的电脑里无法识别？

A：请检查硬盘盒是否已经正确的安装进硬盘盒里面的产品型号，如果没有安装在硬盘盒里面，电脑是无法识别到硬盘盒的，请检查硬盘盒是否已经安装好，建议您可以重新安装一遍，或者换一个硬盘盒测试一遍，若不能解决请联系我们的售后客服人员为您解决。

Q2：这款硬盘盒需要驱动吗？

A：我们所有盒类都是免驱动的，即插即用，但已经为您出厂前已经为您的硬盘盒格式化好，您可以直接使用，如果您的电脑无法识别到硬盘盒，或者硬盘盒里面的文件无法读取，请检查您的电脑是否能够识别硬盘盒，若不能识别硬盘盒请联系我们的售后客服人员为您解决。

Q3：这款硬盘盒支持什么系统？

A：我们所有盒类都是免驱动的，即插即用，但已经为您出厂前已经为您的硬盘盒格式化好，您可以直接使用，如果您的电脑无法识别到硬盘盒，或者硬盘盒里面的文件无法读取，请检查您的电脑是否能够识别硬盘盒，若不能识别硬盘盒请联系我们的售后客服人员为您解决。

Thermaright品牌所有产品，均以提供优质的产品和客户售后服务为宗旨，如您在使用过程中遇到任何问题，请及时与我们联系，我们将竭诚为您服务。

Precautions

Please read the product manual in advance before use and operate correctly according to the instructions.

If it is a brand new hard disk, it needs to be initialized first before it can be used normally.

If you need to exit the mobile device from the computer, please stop reading and writing data in advance.

Otherwise, it may not pop out normally, thereby damaging the USB data cable interface, motherboard interface, and even causing data loss.

The USB interface of the product can only be connected to the USB ports of devices such as computers, mobile phones and tablets for data file transmission purposes. do not connect to other devices or use beyond the voltage range to avoid damaging the product and SSD hard disk.

If you encounter any problems, please contact Thermaright's after-sales service first. Please do not disassemble it by yourself nor in fear the firmware is void of warranty.

Specifications

HR-EB101 / HR-EB101 Dual / HR-EB101 AC / HR-EB101 Dual AC	
INTERFACE	PCIE*1 / Gen3 / Max 1 TB/s
PROTOCOL	NVME / AHCI
SUPPORTED SSD SIZE	M.2 2280 / M.2 2260 / M.2 2242
TRANSFER RATE	Up to 10 Gbps
POWER SUPPLY	5.25Vdc
WEIGHT	0.17g
SUPPORT OS	Windows 7/8/10/11 and above Linux 2.6.33 and above Mac OS X 10.4 and above
WARRANTY	1 year

Packaging list



M.2 SSD Drive enclosure *1



HR-EB101：USB-A to C *1

HR-EB101 Dual：USB-A to C *2

HR-EB101 AC：USB-A to C，USB-C to C *1



M.2 screw + stand *1



User manual

Thermal Pad *2

User Manual*1

Screwdriver*1

Instructions

1. Use a screwdriver to open the back cover of the hard drive enclosure.

2. The M.2 SSD solid state drive can be fixed to the hard drive enclosure in an image of approximately 20° with the PCI Gen3 model for hard drive enclosure (please note that the hard drive enclosure has a maximum support for the M.2 2280 size SSD solid state drive, and the specific supported hard drive models)



3. Close the back cover, press it flat, and fix and tighten it with screws.



4. Connect the hard drive enclosure to the computer with the provided data cable, and it can be directly accessed. (If it is a new hard disk, it needs to be initialized first. For the initialization steps, please refer to the instructions on the right side of the picture in No. 10 of the "Instructions").



5. Turn off the protective film on one side of the thermal grease sheet and stick it onto the SSD hard drive that is to be used (the purpose is to increase the thermal conductivity and the heat sink and contact to enhance the heat conduction performance) then remove the protective film on the other side of the thermal grease sheet.



6. The product supports USB3.2 10Gbps high-speed transmission, Please ensure that it is connected to a USB 3.2 Gen2x2 20Gbps port for optimal performance. Otherwise, it will operate at a lower speed.



7. Regarding thermal conductive silicone sheets: Standard configuration includes one front and one rear thermal pad. Users may also use pad kit for matching different thickness requirements.

The general recommendation is to attach a front heat sink to the front of single-sided general SSDs. For double-sided SSDs, attach heat sinks to both the front and rear sides. For SSDs with a thickness greater than 1.5mm, it is recommended to attach heat sinks to both sides. Please ensure a good cleaning environment for SSD thermal heat dissipation and thermal pad attachment.



8. SSD heat dissipation tips: The main heat sources of SSDs are the main control chip and flash memory chips. Effective heat dissipation for these components can help prevent data delays, thermal throttling, and even data loss. Therefore, it is recommended to install heat sinks on the main control chip and flash memory chips of SSDs to ensure optimal performance and stability. Please note that not all SSDs have heat sinks on both sides. Users can choose to install heat sinks on one or both sides of the SSD according to their specific needs.



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10. Can an SSD solid-state drive be used?

The answer is absolutely yes! Unlike many of the HDD drives you've used, the improved solid-state hard drives (SSDs) are more durable and reliable. The newly developed SSDs can withstand a drop of 1500G, which is 150 times the force of gravity. Even if you drop the SSD, you can still use it. Please make sure that the USB port of your computer is working properly. Some USB ports may not provide enough power to the SSD, which can cause the SSD not to be recognized.

Please make sure that the SSD is properly connected to the USB port. Loose connections can also cause the SSD not to be recognized. Make sure that the USB cable is in good condition. Damaged cables may have poor connections or insufficient power supply, which can affect the SSD's performance.

FAQ Q&A

Q1 Why is it necessary to pay attention to the heat dissipation performance of hard drive enclosures?

Because SSD solid-state drives continuously generate heat when they are working. If an SSD solid-state drive is used in a hard drive enclosure without heat dissipation, the thermal expansion and contraction of each package in the supporting flash chip of SSD manufacturers will cause the solder joints to crack and fall off, which will cause the SSD to be unrecognizable or data loss. Therefore, it is recommended to add heat sinks to the main control chip and flash memory chip of the SSD solid-state drive to ensure that the SSD solid-state drive can provide a good operating environment for SSD's thermal heat dissipation and thermal pad.

Q2 What advantages does the hard drive enclosure have in terms of heat dissipation?

A: The hard drive enclosure is made of aluminum alloy material, which has good thermal conductivity and can effectively conduct heat and dissipate it. The hard drive enclosure has an anti-slip design, which can prevent the hard drive from slipping and falling off during use. The hard drive enclosure has a streamlined appearance and a compact design, which is convenient and practical to carry and use. The hard drive enclosure has a high-speed data transfer interface, which can support fast data transmission and improve work efficiency. The hard drive enclosure has a certain heat dissipation capacity, which can reduce the temperature of the hard drive and extend the service life of the hard drive.

Q3 Why does the SSD capacity of the hard drive enclosure seem smaller?

A: The hard drive enclosure is formatted before leaving the factory and can be used directly in the Win7 or Win8 system. The SSD hard drive enclosure has been certified in practice and can be used directly in the Win7 or Win8 system. The SSD hard drive enclosure has been certified in practice and can be used directly in the Win7 or Win8 system.

3. When disconnecting the hard drive enclosure from the computer, please use the "Safely Remove Hardware and Eject Media" function to safely eject the hard drive and then pull it out using the cable. Otherwise, it may lead to the loss of data or partition loss of the hard drive enclosure. Please do not directly pull out the hard drive enclosure to avoid damaging the hard drive enclosure or causing it to be unrecognized.

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1.超过保修期限的产品；

2.没有保修卡或保修卡与产品型号不符或者涂改的保修卡；

3.因使用不当或自行修理造成损坏的产品；

4.因运输、跌落等造成损坏的产品；

5.因自然灾害等不可抗力因素造成损坏的产品；

6.其他非产品质量问题。

服务指南

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ONE YEAR WARRANTY

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