

# 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）享有一年有限责任保证（部分产品为二年，三年或五年）。详细保固年限请参照官方网站 <https://silverstonetek.com.cn/> 公布之产品型号为依据。



## M.2 NVMe SSD to PCIe 3.0 x16 adapter with heatsink

# ECM23



Converts one M.2 port (M key) into one PCIe x4 interface  
Includes aluminum heatsink and thermal pad for enhanced M.2 SSD cooling  
Supports 2230, 2242, 2260 and 2280 length M.2 SSD  
No driver installation required

[www.silverstonetek.com](http://www.silverstonetek.com)

### 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](mailto: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](mailto: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 Jianshang Rd., Zhonghe Dist., New Taipei City 235 Taipei City 235 Taiwan R.O.C. + 886-2-8228-1238 (standard international call charges apply)

### For Europe ([support.eu@silverstonetek.de](mailto:support.eu@silverstonetek.de))

### For China ([support@silverstonetek.com.cn](mailto:support@silverstonetek.com.cn))

### For all other regions ([support@silverstonetek.com](mailto:support@silverstonetek.com))

## Specification

Model No.	SST-ECM23
LED indicator	PCIe M.2 SSD Read / Write LED: Blue blinking
Interface	PCI Express x4 via full size x16 pinout
SSD Interface	M.2 (NGFF)
Module Key	PCIe x4 NVMe-based M key
Support Length of M.2 SSD	30mm, 42mm, 60mm, 80mm
Operating system support	Microsoft Windows 7 (32bit/64bit), 8/8.1/10 (32bit/64bit) or future release version, Mac OS 10.2.8 or above Linux
Net weight & Dimension	Heatsink with PCB: 105mm (W) x 11mm (H) x 44mm (D), 52g
Thermal Pad	
Thermal conductivity	1.5W/m.k
Operating temperature	-40 °C ~ 220 °C
Thermal pad thickness	0.5 / 1 / 1.5 mm
Net weight & Dimension	Charcoal Pad : 70 mm (W) x 0.5 mm (H) x 20mm (D), 1.95g Blue Pad : 70 mm (W) x 1 mm (H) x 20mm (D), 3.6g Gray Pad: 70 mm (W) x 1.5 mm (H) x 20mm (D), 5.5g

Note: ECM23 support 'M' key only, not good for B-Key SATA base M.2 SSD.

Note: If you wish to boot off using M.2 SSD, your motherboard needs to support it. Due to BIOS limitations, not all motherboards support booting off M.2 SSD so please consult your motherboard manual or vendor for more details on how to enable this function.

Note: M.2 PCIe-NVMe mode SSD requires the use of Intel® 9 series (Z97 H97 Z170 X99) or higher version chipset motherboard with Windows 8 or higher version operating system.

## Package Content

ECM23 PCB with heatsink x 1	Blue thermal pad x 1
Screwdriver x 1	Gray thermal pad x 1
Spare outer shell screw x 2	Charcoal Pad x 1

### 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)
导热贴	○	○	○	○	○	○
导热鳍片	○	○	○	○	○	○
PCB	○	○	○	○	○	○
螺丝	○	○	○	○	○	○
包材	○	○	○	○	○	○

○: 表示该有害物质在该部件所有均质材料中的含量均在SJ/T11364-2014标准规定的限量要求以下。

×: 表示该有害物质在该部件材料中的含量超出SJ/T11364-2014标准规定的限量要求。

本表中有×的部件均符合欧盟RoHS法规，即欧盟第2011/65/EU号指令要求。NO.G11234200



编前页: 杨明  
生产日期: 见产品铭码

# 1

Remove 4 screws from ECM23



**DEUTSCH**  
4 Schrauben vom ECM23 entfernen

**FRANCAIS**  
Retirez les 4 vis du ECM23

**ESPAÑOL**  
Retire 4 tornillos del ECM23

**ITALIANO**  
Rimuovere 4 viti da ECM23

**ไทย**  
ถอดสกรูทั้ง 4 ตัวออกจาก ECM23

**РУССКИЙ**  
Выверните 4 винта из ECM23

**繁體中文**  
卸下ECM23上4個螺絲。

**簡體中文**  
卸下ECM23上4個螺絲。

**日本語**  
ECM23から4本のネジを外します。

**한국어**  
ECM23에서 4개의 나사를 제거합니다.

# 2

Remove screws on the ECM23 PCB



**DEUTSCH**  
Blaue Wärmepaste auf der Leiterplatte auftragen

**FRANCAIS**  
Retirez les vis de la carte de circuit imprimé ECM23

**ESPAÑOL**  
Retire los tornillos en la PCB ECM23

**ITALIANO**  
Rimuovere le viti sul PCB ECM23

**ไทย**  
ถอดสกรูบน PCB ECM23 ออก

**РУССКИЙ**  
Вывернуть винты на плате ECM23

**繁體中文**  
從ECM23 PCB上移除螺絲。

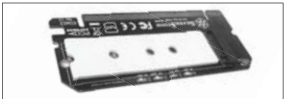
**簡體中文**  
从ECM23 PCB上移除螺絲。

**日本語**  
ECM23 PCBのネジを外す

**한국어**  
ECM23 PCB의 나사를 제거하십시오.

# 3

Stick the thermal pad on the PCB. For single sided M.2 SSD (flat back without component), please use 1.5mm thick gray pad; for double sided M.2 SSD (both sides with components), please use 0.5mm thick charcoal pad.



**DEUTSCH**  
Kleben Sie das Wärmeleitpad auf die Platine. Für einseitige M.2 SSD (flache Rückseite ohne Komponente) verwenden Sie bitte 1.5 mm dicke graues Pad; für doppelseitige M.2 SSD (beide Seiten mit Komponenten), verwenden Sie bitte 0,5 mm dicke Holzkohlepad.

**FRANCAIS**  
Collez le coussin thermique sur le PCB. Pour un SSD M.2 simple face (dos plat sans composant), veuillez utiliser un tampon gris de 1,5 mm d'épaisseur; Pour un SSD M.2 double face (des deux côtés avec des composants), veuillez utiliser un tampon de charbon de bois de 0,5 mm d'épaisseur.

**ESPAÑOL**  
Pegue la almohadilla térmica en la PCB. Para SSD M.2 de una cara (parte posterior plana sin componente), utilice una almohadilla gris de 1,5 mm de grosor; para M.2 SSD de doble cara (ambos lados con componentes), use una almohadilla de carbón de 0,5 mm de espesor.

**ITALIANO**  
Attaccare il cuscinetto termico sul PCB. Utilizzare un SSD M.2 a un lato (retro piatto senza componenti), utilizzare uno spessore di 1,5 mm di spessore; per doppio lato SSD M.2 (entrambi i lati con componenti), si prega di utilizzare pastiglie di carbone di spessore 0,5 mm.

**ไทย**  
ติดแผ่นระบายความร้อนบน PCB สำหรับ M.2 SSD แบบด้านเดียว (ด้านหลังแบนไม่มีส่วนประกอบ) โปรดใช้แผ่นสีเทาหนา 1.5 มม. สำหรับสองด้าน SSD M.2 (ทั้งสองด้านมีส่วนประกอบ) โปรดใช้แผ่นถ่านขนาด 0.5 มม.

**РУССКИЙ**  
Прикрепите термонаклейку к печатной плате. Для одностороннего M.2 SSD (плоская задняя часть компонента), пожалуйста, используйте серое покрытие толщиной 1,5 мм; для двухстороннего M.2 SSD (с обеих сторон с компонентами) используйте угольную подушку толщиной 0,5 мм.

**繁體中文**  
黏導熱貼片在PCB上。對於單面顆粒的M.2 SSD (背面平整無元件)，請使用1.5mm厚的淺灰色導熱墊；對於雙面顆粒 (兩面皆有元件)，請使用0.5mm厚的太空灰導熱貼片。

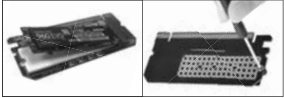
**簡體中文**  
黏導熱貼片在PCB上。對於單面顆粒的M.2 SSD (背面平整無元件)，請使用1.5mm厚的淺灰色導熱墊；對於雙面顆粒 (兩面皆有元件)，請使用0.5mm厚的太空灰導熱貼片。

**日本語**  
サーマルパッドをPCBに貼り付けます。片面M.2 SSD (コンポーネントなしのフラットバック) の場合、厚さ1.5mmの灰色のパッドを使用してください。両面M.2 SSD (両面に部品あり) の場合は、厚さ0.5mmのチャコールパッドを使用してください。

**한국어**  
열 패드를 PCB에 붙입니다. 단면 M.2 SSD (부품없이 플랫 백)의 경우 1.5mm 두께의 회색 패드를 사용하십시오. 양면 M.2 SSD (부품이 있는 양면)의 경우 0.5mm 두께의 숯 패드를 사용하십시오.

# 4

Install M.2 NVMe SSD and secure screws to suitable mounting hole depending on the length of M.2 NVMe SSD used



# 5

Schrauben je nach Länge der verwendeten M.2-NVMe-SSD in einem geeigneten Montageloch sichern.

**FRANCAIS**  
Installez le SSD M.2 NVMe et fixez les vis à l'orifice de montage approprié en fonction de la longueur du SSD M.2 NVMe utilisé

**ESPAÑOL**  
Instale la M.2 NVMe SSD y los tornillos de seguridad en un orificio de montaje adecuado según la longitud de M.2 NVMe SSD utilizado

**ITALIANO**  
Installare M.2 NVMe SSD e fissare le viti al foro di montaggio adatto in base alla lunghezza dell'SSD M.2 NVMe utilizzato

**ไทย**  
ติดตั้ง M.2 NVMe SSD และสกรูกั้นยึดเข้ากับรูยึดที่เหมาะสมตามความยาวของ M.2 NVMe SSD ที่ใช้

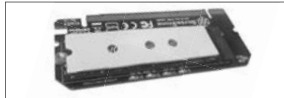
Установите M.2 NVMe SSD и закрепите винты подходящим монтажным отверстием в зависимости от длины M.2 NVMe SSD

**繁體中文**  
依M.2 NVMe SSD的長度，安裝M.2 NVMe SSD，並將螺絲固定於合適的螺絲安裝孔。

**簡體中文**  
依M.2 NVMe SSD的長度，安裝M.2 NVMe SSD，並將螺絲固定於合適的螺絲安裝孔。

**日本語**  
M.2 NVMe SSDを取り付け、使用されるM.2 NVMe SSDの長さに応じてネジを適切な取り付け穴に固定します

**한국어**  
M.2 NVMe SSD를 설치하고 사용 된 M.2 NVMe SSD의 길이에 따라 적절한 장착 구멍에 나사를 고정하십시오



Stick the blue thermal pad on the M.2.

**DEUTSCH**  
Klebe das blaue Wärmeleitpad auf den M.2.

**FRANCAIS**  
Fixez les vis dans les trous de montage adaptés en fonction de la longueur du SSD NVMe M.2 utilisé

**ESPAÑOL**  
Coloque los tornillos en el agujero de montaje adecuado dependiendo de la longitud del SSD M.2 NVMe

**ITALIANO**  
Fissare le viti ad un foro di montaggio adeguato in base alla lunghezza dell'SSD M.2 NVMe utilizzato

**ไทย**  
นำพาสติกสีน้ำเงินมาติดตามขนาดความยาวของ M.2 NVMe SSD ที่ใช้งาน

**РУССКИЙ**  
Вверните винты в подходящие монтажные отверстия в зависимости от размера используемого SSD-накопителя NVMe M.2

**繁體中文**  
黏貼藍色導熱貼在M.2上

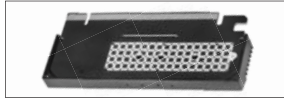
**簡體中文**  
黏貼藍色導熱貼在M.2上

**日本語**  
使用されるM.2 NVMe SSDの長さに応じて取り付け穴を選んでネジで固定します。

**한국어**  
사용된 M.2 NVMe SSD의 길이에 따라 적합한 장착 구멍에 나사를 고정합니다.

# 6

Place the assembled ECM23 PCB back into the enclosure with M.2 PCIe SSD facing down as shown in the photo



**DEUTSCH**  
Montiere ECM23-Leiterplatte wieder im Gehäuse platzieren, wobei die M.2-PCIe-SSD wie abgebildet nach unten zeigt.

**FRANCAIS**  
Remettez la carte à circuit imprimé ECM23 assemblée dans le boîtier avec le SSD PCIe M.2 orienté vers le bas comme indiqué dans la photo

**ESPAÑOL**  
Coloque el PCB ECM23 montado de nuevo en la carcasa con el SSD M.2 PCIe colocado hacia abajo como se muestra en la foto

**ITALIANO**  
Riporre la PCB ECM23 montata nel box con l'SSD M.2 PCIe rivolto verso il basso, come mostrato nella foto

**ไทย**  
วาง ECM23 ที่ทำการติดตั้งเรียบร้อยแล้วกลับเข้าใส่ตัวเรือนโดยทำการหันด้าน M.2 SSD ลงดังที่แสดงในภาพ

**РУССКИЙ**  
Поместите собранную плату ECM23 обратно в корпус, так чтобы накопитель SSD PCIe M.2 был направлен вниз, как показано на фотоснимке

**繁體中文**  
將安裝好的ECM23 PCB翻下，重新放回M.2 PCIe SSD主機殼。(如圖)

**簡體中文**  
將安裝好的ECM23 PCB翻下，重新放回M.2 PCIe SSD主機殼。(如圖)

**日本語**  
写真のように、組み上げられたECM23 PCBをM.2 PCIe SSD面を下にしてエンクロージャーに戻します。

**한국어**  
사진에 표시된 대로 M.2 PCIe SSD가 아래를 향하게 하여 조립된 ECM23 PCB를 인클로저에 다시 돌려줍니다.

# 7

Secure bottom cover to the enclosure with screws to finish installation



**DEUTSCH**  
Zum Abschließen der Installation unter Abdeckung mit Schrauben am Gehäuse sichern.

**FRANCAIS**  
Fixez le couvercle inférieur sur le boîtier avec les vis pour terminer l'installation

**ESPAÑOL**  
Fije la cubierta inferior a la carcasa con tornillos para finalizar la instalación

**ITALIANO**  
Fissare la copertura inferiore al box con viti per terminare l'installazione

**ไทย**  
กาวยึดฝาปิดด้านข้างตัวเรือนด้วยสกรู เพื่อเสร็จสิ้นการติดตั้ง

**РУССКИЙ**  
Прикрепите нижнюю крышку к корпусу с помощью винтов для завершения установки

**繁體中文**  
用螺絲將底蓋固定在主機殼，即完成安裝。

**簡體中文**  
用螺絲將底蓋固定在主機殼，即完成安裝。

**日本語**  
底部カバーをエンクロージャーに固定すると、インストール完了です。

**한국어**  
나사를 사용하여 하단 커버를 인클로저에 고정합니다.