

## 周边产品 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)
Bracket (金属)	○	○	○	○	○	○
螺丝	○	○	○	○	○	○
ECM20 PCBA	○	○	○	○	○	○
包材	○	○	○	○	○	○

○: 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 SJ/T11364-2014标准规定的限量要求以下。

×: 表示该有毒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。



### 产品合格证

检验员: 检01  
生产日期: 见产品条码

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。

#### Warranty Information

This product has a limited 1 year warranty in North America, Europe, and Australia. For information on warranty periods in other regions, please contact your reseller or SilverStone authorized distributor.

#### 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 power supplies 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 all other regions** (support@silverstonetek.com)

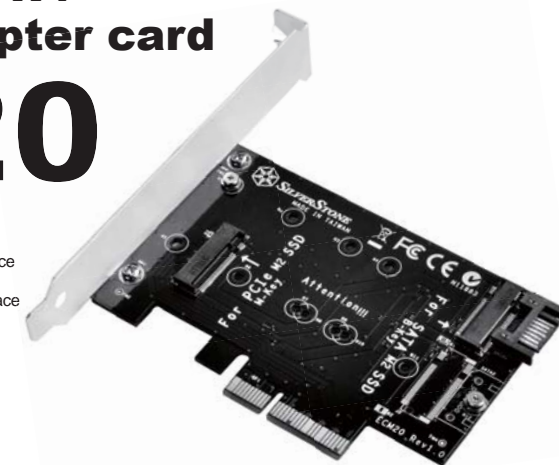
NO: G11224162



**SILVERSTONE**<sup>®</sup>  
Designing Inspiration

## Dual M.2 to PCI-E x4 and SATA 6G adapter card

# ECM20



- Converts one M.2 port (M key) into one PCI-E x4 interface
- Converts a second M.2 port (B key) into SATA 6G interface
- Supports two M.2 SSD simultaneously
- Includes optional low-profile expansion slot
- No driver installation required

### Introduction

SilverStone's ECM20 is an adapter designed for users wanting to utilize or add speedy M.2 devices such as SSD onto their existing PC or motherboard. In addition to supporting one M.2 device (M key) to run via the super fast PCI-E interface at up to 32Gbps, a second M.2 slot (B key) is available for connecting to a SATA III port for added storage potential. For users looking to have the fastest data access speed on a desktop computer, the ECM20 is a must have.

### Specifications

Model Number	SST-ECM20	Number of Drives	2
Interface	PCI Express X4 / SATA 6Gbps	Support Type of M.2 SSD	2230, 2242, 2260 and 2280
SSD Interface	M.2 (NGFF)	Support Length of M.2 SSD	30mm, 42mm, 60mm, 80mm
Module Key	SATA-based B key, PCI-E 4X-based M key	Operating system support	Microsoft Windows, Mac OS X, Linux

**Note: ECM20's 'M' key is for use only with PCI-E SSD, 'B' key is for use with only SATA SSD.**

**Note: B key SSD requires SATA 7 pin cable connected to motherboard to function.**

# Installation Chart

## SATA Port

### STEP 1

Install SATA based SSD to "B key" based M.2 slot and secure with screws.

#### DEUTSCH

Installieren Sie eine SATA-basiert SSD im „B-Schlüssel“-basierten M.2-Steckplatz und sichern Sie sie mit Schrauben.

#### РУССКИЙ

Установите SSD-накопитель с поддержкой SATA в слот интерфейса M.2 с поддержкой "ключа B" и закрепите его винтами.

#### 繁體中文

安裝 M.2 SATA SSD 于 ECM20 的插槽內，並鎖上螺絲固定。請注意，此插槽必須插入 "B Key" 的 SATA SSD。

#### 한국어

SATA 기반 SSD를 "B 키" 기반 M.2 슬롯에 설치하고 나사로 고정합니다.

#### ESPAÑOL

Instale el SSD basado en SATA en el zócalo M.2 "B" y fíjelo con tornillos.

#### FRANÇAIS

Placez le SSD dans l'emplacement M.2 sur la « clé B » et fixez-le définitivement grâce aux vis.

#### ITALIANO

Installare SSD su base SATA su alloggi "B Key" su base M.2 e fissare con viti.

#### 繁體中文

安裝 M.2 SATA SSD 於 ECM20 的插槽內，並鎖上螺絲固定。請注意，此插槽必須插入 "B Key" 的 SATA SSD。

#### 日本語

SATA ベース SSD を "Bキー" ベースの M.2 スロットに装着してネジで固定します。

#### ESPAÑOL

Conecte el puerto SATA del ECM20 al correspondiente puerto SATA en la placa base mediante el cable SATA de 7 pines.

#### FRANÇAIS

Connectez le port SATA de l'ECM20 au port SATA correspondant sur la carte-mère via un câble SATA 7 pins.

#### ITALIANO

orta SATA di ECM20 alla corrispondente porta SATA sulla scheda madre utilizzando un cavo SATA 7pin.

#### 繁體中文

將您的 SATA 線連接主機板 SATA 埠與 ECM20 的 SATA 插槽

#### 簡體中文

將您的 SATA 線連接主板 SATA 埠與 ECM20 的 SATA 插槽

#### 日本語

ECM20 の SATA ポートから 7 ピン SATA ケーブル経由でマザーボードの対応する SATA ポートに接続します。

#### 한국어

ECM20의 SATA 포트를 7 핀 SATA 케이블을 통해 마더보드의 해당 SATA 포트에 연결합니다.

#### ESPAÑOL

inserte el ECM20 en el zócalo PCI-E compatible de la placa base (x4 o superior).

#### FRANÇAIS

insérez l'ECM20 dans un emplacement compatible PCI-e (4x et plus) de la carte-mère.

#### ITALIANO

Inserire ECM20 nell'alloggio PCI-E (x4 o superiore) compatibile della scheda madre.

#### 繁體中文

將 ECM20 安裝於主機板上的 PCI-E 插槽

#### 日本語

ECM20 をマザーボードの PCI-E (x4 またはそれ以上) 互換スロットに装着します。

#### ESPAÑOL

Instale el SSD basado en PCI-E en el zócalo M.2 "M" y fíjelo con tornillos.

#### FRANÇAIS

Placez le SSD dans l'emplacement M.2 sur la « clé M » et fixez-le définitivement grâce aux vis.

#### ITALIANO

Installare SSD su base PCI-E su alloggi "M Key" su base M.2 e fissare con viti.

#### 繁體中文

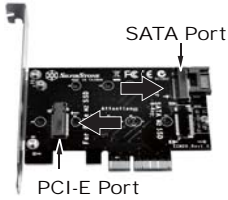
安裝 M.2 PCIe SSD 於 ECM20 的插槽內，並鎖上螺絲固定。請注意，此插槽必須插入 "M Key" 的 PCIe SSD

#### 日本語

PCI-E ベース SSD を "Mキー" ベースの M.2 スロットに装着してネジで固定します。

### STEP 2

Insert ECM20 into the motherboard's compatible PCI-E (x4 or above) slot.



#### DEUTSCH

Stecken Sie den ECM20 in den kompatiblen PCI-E-Steckplatz (x4 oder höher) des Motherboards.

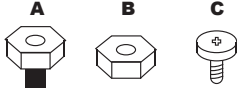
#### РУССКИЙ

Вставьте ECM20 в слот системной платы,совместимый со стандартом PCI-E (x4 или выше).

## Screw usage guide for securing M.2 SSD

### STEP 1

Take the screws out from zip bag



#### DEUTSCH

Nehmen Sie die Schrauben aus der Reißverschlusstasche

#### РУССКИЙ

Возьмите винты из пакета

### STEP 2

Secure gold colored screw A to hex nut B to suitable mounting hole depending on the length of M.2 SSD



#### DEUTSCH

Befestigen Sie die goldene Schraube A an der Sechskantmutter B am geeigneten Montageloch (je nach Länge der M.2-SSD)

#### РУССКИЙ

Скрепите золотистый винт А с шестигранной гайкой В для соответствующего монтажного отверстия в зависимости от длины M.2 SSD

### STEP 3

After M.2 SSD is inserted into the slot, secure with screw C



#### DEUTSCH

Befestigen Sie die M.2-SSD nach Einsetzen in den Steckplatz mit Schraube C

#### РУССКИЙ

После того, как вы вставили M.2 SSD в слот, закрепите его с помощью винта C

#### ESPAÑOL

Inserte el ECM20 en el zócalo PCI-E compatible de la placa base (x4 o superior).

#### FRANÇAIS

insérez l'ECM20 dans un emplacement compatible PCI-e (4x et plus) de la carte-mère.

#### ITALIANO

Inserire ECM20 nell'alloggio PCI-E (x4 o superiore) compatibile della scheda madre.

#### 繁體中文

將 ECM20 安裝於主機板上的 PCI-E 插槽

#### 簡體中文

將 ECM20 安裝於主板上的 PCI-E 插槽

#### 日本語

ECM20 をマザーボードの PCI-E (x4 またはそれ以上) 互換スロットに装着します。

#### 한국어

ECM20을 마더보드의 호환되는 PCI-E (x4 이상) 슬롯에 끼웁니다.

#### ESPAÑOL

Saque los tornillos de la bolsa

#### FRANÇAIS

Sortez les vis du sac à fermeture éclair

#### ITALIANO

Estrarre le viti dal sacchetto

#### 繁體中文

從夾鏈袋取出螺絲

#### 簡體中文

從夾鏈袋取出螺絲

#### 日本語

ファスナー付袋からネジを取り出します

#### 한국어

지퍼 백에서 나사를 꺼냅니다

#### ESPAÑOL

Fije el tornillo de color dorado A a la tuerca hexagonal B y un agujero de montaje adecuado dependiendo de la longitud del SSD M.2

#### FRANÇAIS

Fixez la vis de couleur or A sur l'écrou hexagonal B dans le trou de montage adéquat en fonction de la longueur du SSD M.2

#### ITALIANO

Fissare la vite dorata A al dado esagonale B sul foro di montaggio adeguato in base alla lunghezza dell'SSD M.2

#### 繁體中文

依照 M.2 SSD 長度，先將金色螺絲 A 與六角螺母 B 鎖固於適合的孔位

#### 簡體中文

依照 M.2 SSD 長度，先將金色螺絲 A 與六角螺母 B 鎖固於適合的孔位

#### 日本語

M.2 SSD の長さに合わせて、適切な穴に金色のネジ A を六角ナット B と共に固定します

#### 한국어

M.2 SSD의 길이에 따라 적합한 고정 구멍에 금색 나사 A 를 육각 너트 B 로 고정합니다.

#### ESPAÑOL

Tras insertar el SSD M.2 en el zócalo, fíjelo con un tornillo C

#### FRANÇAIS

Une fois que le SSD M.2 est inséré dans l'emplacement, fixez-le avec la vis C

#### ITALIANO

Una volta inserito l'SSD M.2 nello slot, fissare con la vite C

#### 繁體中文

插入 M.2 SSD 後，使用螺絲 C 鎖固

#### 日本語

M.2 SSD をスロット内に挿入後、ネジで固定します

#### 簡體中文

插入 M.2 SSD 後，使用螺絲 C 鎖固

#### 한국어

M.2 SSD를 슬롯에 끼운 후 나사 C 로 고정합니다

### STEP 3

Insert ECM20 into the motherboard's compatible PCI-E (x4 or above) slot.

#### DEUTSCH

Stecken Sie den ECM20 in den kompatiblen PCI-E-Steckplatz (x4 oder höher) des Motherboards.

#### РУССКИЙ

Вставьте ECM20 в слот системной платы,совместимый со стандартом PCI-E (x4 или выше).

#### 繁體中文

將 ECM20 安裝於主板上的 PCI-E 插槽

#### 한국어

ECM20을 마더보드의 호환되는 PCI-E (x4 이상) 슬롯에 끼웁니다.

## PCI-E Port

### STEP 1

Install PCI-E based SSD to "M key" based M.2 slot and secure with screws.

#### DEUTSCH

Installieren Sie eine PCI-E-basiert SSD im „M-Schlüssel“-basierten M.2-Steckplatz und sichern Sie sie mit Schrauben.

#### РУССКИЙ

Установите SSD-накопитель с поддержкой PCI-E в слот интерфейса M.2 с поддержкой "ключа M" и закрепите его винтами.

#### 簡體中文

安裝 M.2 PCIe SSD 於 ECM20 的插槽內，並鎖上螺絲固定。請注意，此插槽必須插入 "M Key" 的 PCIe SSD

#### 한국어

PCI-E 기반 SSD를 "M 키" 기반 M.2 슬롯에 설치하고 나사로 고정합니다.