

ECM28

1 x NVMe & 1 x SATA M.2 SSD to PCIe x4 1U Adapter Card



- Suits 1U form factor chassis at only 32mm total height
- Support 1 x NVMe M.2 SSD (M key) utilizing PCIe x4 interface
- Support 1 x SATA M.2 SSD (B key)
- Allows concurrent usage of both M.2 SSD slots
- Supports PCIe Gen4
- Supports SATA 6Gbps
- Built-in LED status indicator
- Supports PCIe CLKREQ# function

Product Specifications

Model No.

SST-ECM28

SSD Interface

NVMe & SATA

Number of Drives

2

LED indicator

NVMe SSD: power / data access: Solid blue / Blinking blue
SATA SSD: power / data access: Solid red / Blinking red

Net weight

17.8g

Interface

PCI Express x4 / SATA 6 Gbps

Module Key

PCIe x4 NVMe-based M key
SATA-based B key

Support Type of M.2 SSD

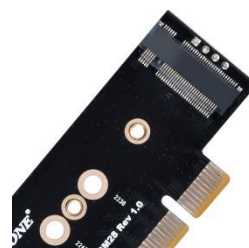
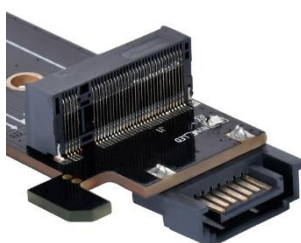
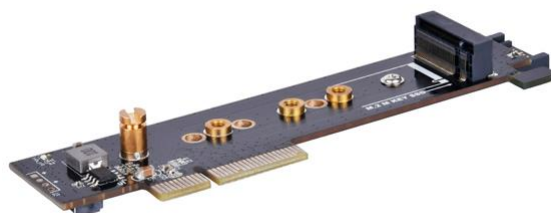
22x30mm, 22x42mm, 22x60mm, 22x80mm

Dimension

15.5mm (W) x 32mm (H) x 118.4mm (D)

Remark

* ECM28's 'M' key is for use only with PCIe SSD, 'B' key is for use with only SATA SSD
** B key SSD requires SATA 7 pin cable connected to motherboard to function
*** 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
**** If there are compatibility issues such as device not being recognized or detected between your operating system and ECM28, please update your driver or BIOS on your motherboard to the latest version. You can also try running the system compatibility mode in your operating system and select the previous operating system version to install the drivers required for ECM28.





**32mm total height, fits easily inside
1U form factor chassis**

Allows concurrent usage of both M.2 SSD slots

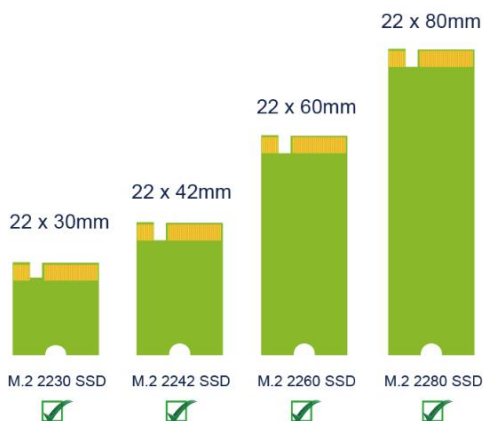
- 1 x M.2 PCIe SSD (M key) with PCIe x4 interface
- 1 x M.2 SATA SSD (B Key)



M.2 PCIe SSD (M key)



M.2 SATA SSD (B Key)



**Supports 2230, 2242, 2260, and 2280
lengths M.2 SSD**

Remark

There are three types of M.2 SSDs, please make sure you know the difference between them and whether your system/motherboard support them before pairing these with your SilverStone product.

Legacy SATA (B key)

Used for SATA SSDs, and interfaced through the AHCI driver and legacy SATA 3.0 (6 Gbit/s) port exposed through the M.2 connector.

PCI Express using AHCI (M key)

Used for PCI Express SSDs and interfaced through the AHCI driver and provided PCI Express lanes, providing backward compatibility with widespread SATA support in operating systems at the cost of not delivering optimal performance by using AHCI for accessing PCI Express SSDs.

PCI Express using NVMe (M key)

Used for PCI Express SSDs and interfaced through the NVMe driver and provided PCI Express lanes, as a high-performance and scalable host controller interface designed and optimized especially for interfacing with PCI Express SSDs. NVMe has been designed from the ground up, capitalizing on the low latency and parallelism of PCI Express SSDs, and complementing the parallelism of contemporary CPUs, platforms and applications.

The following SSD models have been tested and verified by SilverStone to work optimally with the product presented on this page.

Adata XPG GAMMIX S50 Series

Corsair Force Series MP600

Gigabyte AORUS NVMe Gen4 M.2

Inte NVMe SSD 660p series

Intel NVMe SSD 760p Series

Pioneer APS-SE20G series

Samsung NVMe SSD 970 EVO M.2

Samsung NVMe SSD 970 PRO M.2

Samsung NVMe SSD SM951/961 M.2

Samsung NVMe SSD 960 EVO M.2

Samsung NVMe SSD 960 PRO M.2

Samsung 980 PRO PCIe 4.0 NVMe SSD

Samsung 980 PCIe 3.0 NVMe SSD

WD_BLACK SN850 NVMe SSD

WD_BLACK SN750 NVMe SSD