SSK HE-C327

SSK M.2 NVMe SSD Enclosure (Model HE-C327)

Instruction Manual

Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your SSK M.2 NVMe SSD Enclosure, Model HE-C327. This enclosure is designed for M.2 NVMe PCIe M Key SSDs of sizes 2230, 2242, 2260, and 2280. It offers high-speed data transfer up to 10Gbps via USB 3.2 Gen 2 and features a tool-free design for easy assembly.

Important Note: This enclosure is **not compatible** with B Key, B+M Key SATA SSDs, M.2 PCIe AHCI SSDs, mSATA SSDs, or non-M.2 form factor SSDs. Ensure your SSD is an M.2 NVMe PCIe M Key type before installation.

Image: The SSK M.2 NVMe SSD Enclosure, silver-grey in color, shown with its two included USB cables (USB-C to USB-C and USB-C to USB-A).

Package Contents

- SSK M.2 NVMe SSD Enclosure (Model HE-C327)
- USB-C to USB-C Cable
- USB-C to USB-A Cable
- Thermal Pads (2x)

Setup and Installation

Follow these steps to install your M.2 NVMe SSD into the enclosure:

1. **Open the Enclosure:** Gently slide the enclosure open to remove the internal tray.

Image: A hand sliding the silver enclosure cover to reveal the internal tray.

2. **Insert the SSD:** Carefully insert your M.2 NVMe SSD into the PCB slot at a 45-degree angle. Ensure the M-Key notch aligns correctly.

Image: An M.2 NVMe SSD being inserted into the internal PCB at an angle.

3. **Secure the SSD:** Gently push the SSD down until it is flat. Insert the fixing screw (Screw A) into the slot at the end of the M.2 SSD and tighten it to secure the SSD. Ensure the screw is properly seated in the groove to avoid obstruction.

Image: A small screw being inserted to hold the M.2 SSD in place on the PCB.

4. **Apply Thermal Pad:** Place a thermal pad onto the installed SSD. Remove the protective film from both sides of the thermal pad. This aids in heat dissipation.

Image: A thermal pad being placed on top of the installed M.2 SSD.

5. **Close the Enclosure:** Align the internal tray with the enclosure shell and slide it back in the direction of the arrow until it clicks into place, indicating it is locked.

Image: The internal tray with the SSD and thermal pad being slid back into the enclosure shell.

Image: A diagram illustrating the supported M.2 NVMe SSD sizes: 2230, 2242, 2260, and 2280.

Operating Instructions

The SSK M.2 NVMe SSD Enclosure is plug-and-play, requiring no additional drivers for most operating systems.

- **Connection:** Connect the enclosure to your computer using one of the provided USB cables (USB-C to USB-C or USB-C to USB-A). The enclosure is bus-powered and does not require an external power supply.
- **Indicator Light:** A blue indicator light will illuminate when the device is plugged in. It will blink during data transfer, indicating activity.
- **Compatibility:** The enclosure is compatible with Windows 7/8/8.1/10, Linux, and Mac OS.

Image: The SSK enclosure connected to a laptop, with icons representing Windows, Mac OS, Linux, and Android compatibility.

Image: A close-up of the enclosure highlighting the blue indicator light and its aluminum construction for heat dissipation.

Maintenance

- Keep the enclosure clean and free from dust. Use a soft, dry cloth for cleaning.
- Avoid exposing the device to extreme temperatures or humidity.
- Handle the enclosure and installed SSD with care to prevent physical damage.
- The aluminum casing is designed for optimal heat dissipation. It is normal for the enclosure to become warm during extended use, especially during high-speed data transfers.

Image: A chart displaying temperature measurements of the enclosure and SSD over a 30-minute period, demonstrating effective temperature control.

Troubleshooting

- **SSD Not Detected:** If a newly installed SSD is not detected by your computer, it may need to be initialized, partitioned, and formatted. Access Disk Management (Windows) or Disk Utility (Mac OS) to perform these actions. For compatibility across both Mac and Windows operating systems, format the SSD to EXFAT.
- **Slow Transfer Speeds:** Ensure you are connecting the enclosure to a USB 3.2 Gen 2 (10Gbps) compatible port on your computer. Older USB ports (e.g., USB 2.0, USB 3.0/3.1 Gen 1) will result in lower transfer speeds. Verify your SSD is an NVMe PCIe M Key type, as SATA SSDs are not supported and will not function.
- **Incompatible SSD:** This enclosure supports M.2 NVMe PCIe M Key SSDs only. It does not support B Key, B+M Key SATA SSDs, M.2 PCIe AHCI SSDs, mSATA SSDs, or non-M.2 form factor SSDs. It is also not compatible with original MacBook SSDs.
- **Enclosure Not Opening/Closing Smoothly:** Ensure no internal components are obstructing the sliding mechanism. Check that the SSD is properly secured and the screw is not protruding.

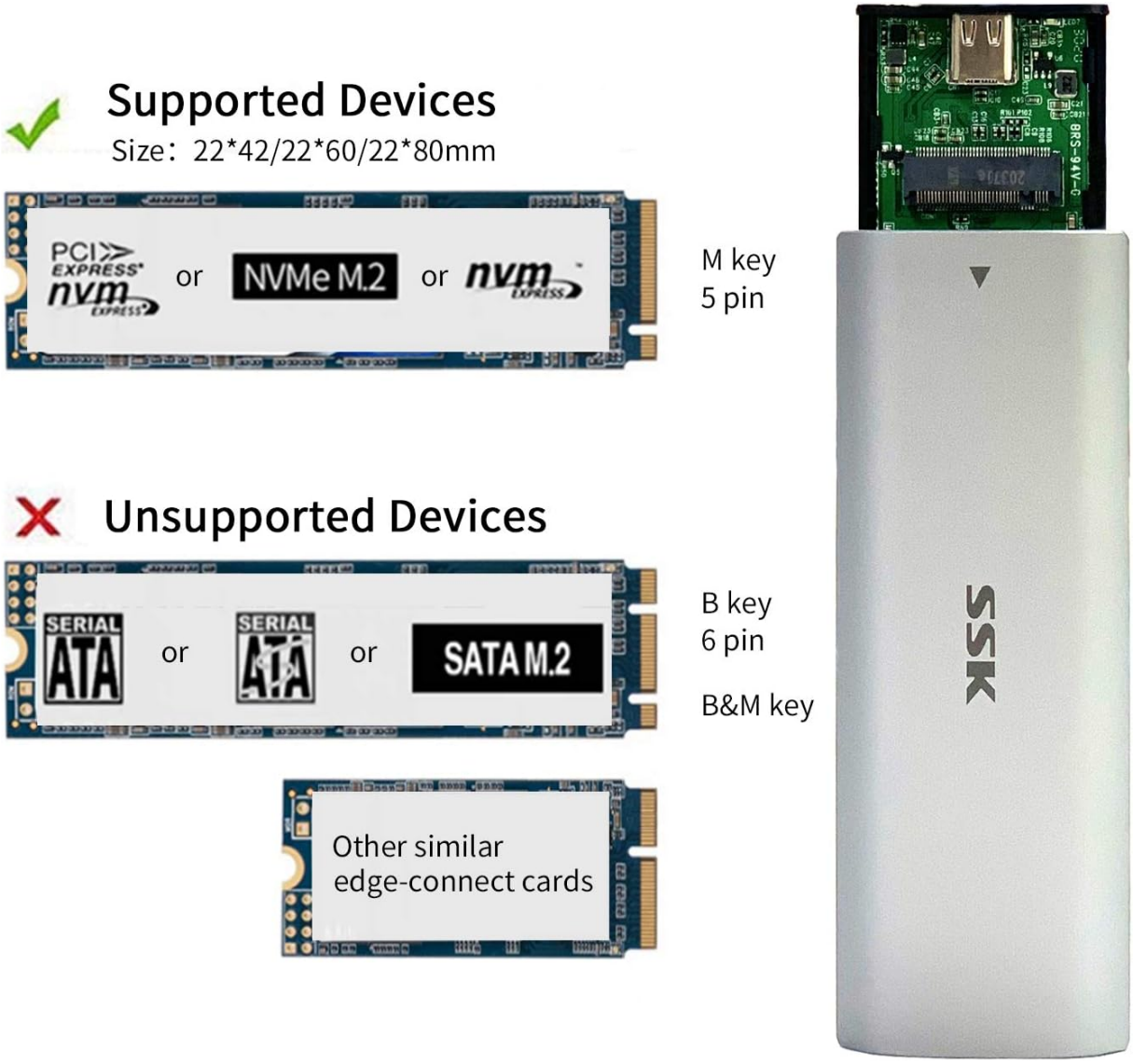

Image: A visual guide distinguishing between supported M.2 NVMe PCIe M Key SSDs and unsupported B Key, B+M Key SATA, and other M.2 types.

Specifications

Feature	Detail
Model Number	HE-C327
Material	Aluminum
Compatible SSD Type	M.2 NVMe PCIe M Key SSDs only
Supported SSD Sizes	2230, 2242, 2260, 2280
Max Storage Capacity	Up to 4 TB
Hardware Interface	USB 3.2 Gen 2 (USB-C)
Data Transfer Rate	Up to 10Gbps
Controller IC Chipset	JMS583

Feature	Detail
Features	UASP, Trim, Tool-Free Design
Compatible Operating Systems	Windows 7/8/8.1/10, Linux, Mac OS
Product Dimensions	4.53 x 1.54 x 0.43 inches
Item Weight	0.08 Kilograms (2.82 ounces)

Warranty and Support

For product support or inquiries, please refer to the contact information provided with your purchase or visit the official SSK website. Specific warranty details may vary by region and retailer.