USB4 40Gbps NVMe SSD Enclosure

User Manual

Ver. 1.00

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Chapter 1: Introduction

1.1 Product Introduction

This specification defines a portable USB NVMe SSD enclosure that is capable of achieving ultra-fast file transfer speeds for data backup or external storage applications. By employing the latest USB4 technology, this device can deliver up to 40Gbps bandwidth, which is comparable to Thunderbolt 3/4 technology, while still enjoying the economical price range of the USB ecosystem. The tool-less mechanical design enhances user-friendliness during the installation of M.2 SSDs, and the aluminum housing provides outstanding thermal performance for reliable and heavy-duty operation.

1.2 Features

- Supports USB4 Gen3 x2 Type-C host connection of up to 40Gbps
- Backward compatible with USB 3.2 and USB 2.0
- Supports BOT and UAS protocols
- Supports PCIe Gen4 x4 NVMe SSD at 2280 / 2260 / 2242 / 2230 M.2 form factor
- Bus-powered device, supports USB Power Delivery over Type-C
- Tool-less design for trouble-free M.2 SSD drive installation

- Aluminum housing acts as large heat sink for the SSD drive
- Plug-n-play, no installation of software driver is needed
- Compatible with Thunderbolt 3 and 4 host
- LED status

  ON: Good linkage between the Enclosure and the host.

  BLINK: Activity (Reading or writing) with the Enclosure.

  OFF: The Enclosure is disconnected from the host

1.3 Systems Requirements

Operating systems supported are (both 32 and 64 bits)

- Windows 11/10/8.x/7
- Linux
- Apple macOS X

1.4 Product Diagram



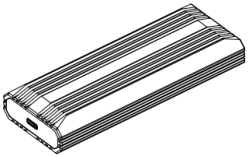
1.5 Package Contents

- 1 x USB4 40Gbps NVMe SSD Enclosure
- 1 x 30cm USB4 USB-C to USB-C cable
- 1 x Thermal Pad
- 1 x User Manual

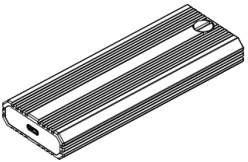
Chapter 2: Getting Started

2.1 Hard Drive Installation

Follow the steps to install SSD.

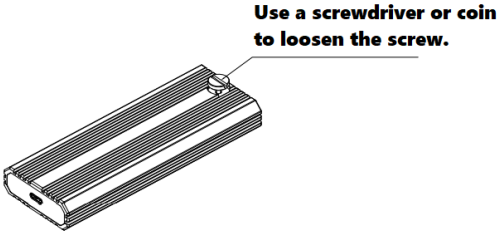


Front

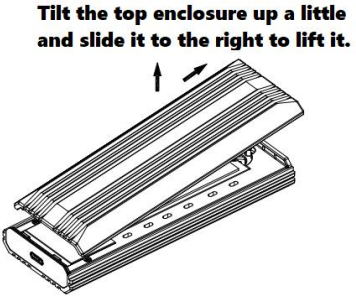


Back

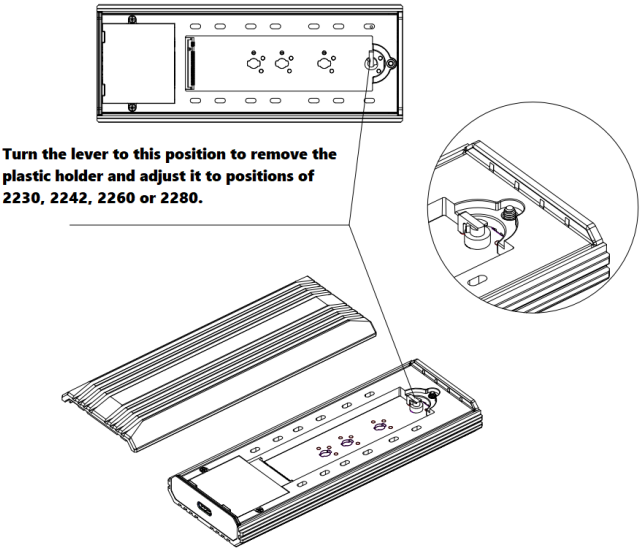
1. Remove screw first

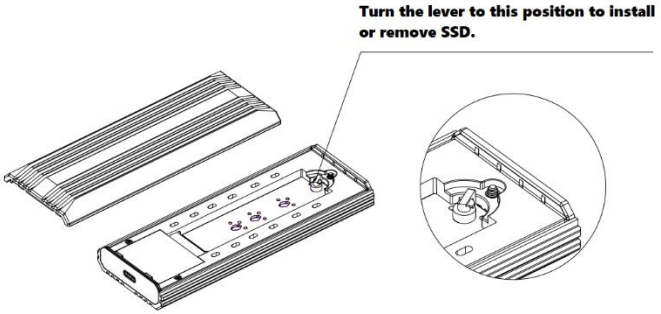


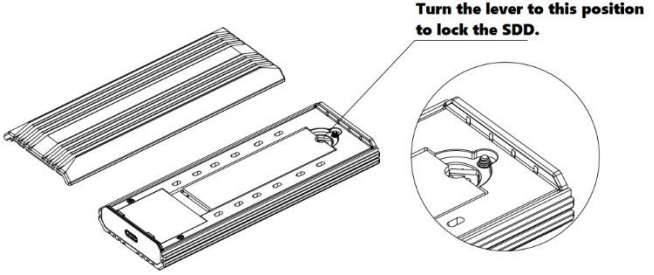
2. Tilt up to lift the enclosure



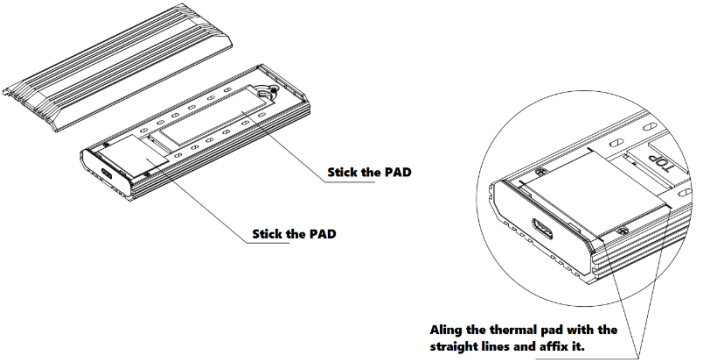
3. Insert the SSD, and then turn the lever clockwise toward the notch.



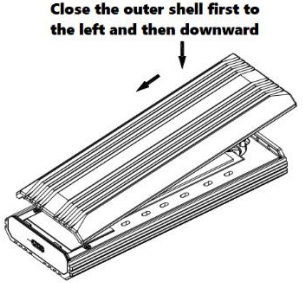

Turn the lever to this position to install or remove SSD.


Turn the lever to this position to lock the SDD.

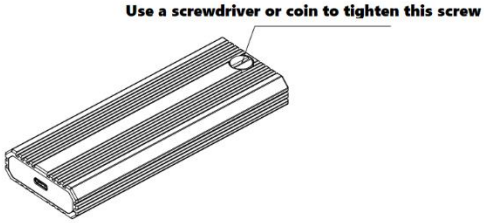
4. Affix the thermal pad



5. Tilt down to install enclosure



6. Install the screws



7. The Enclosure Kit is now assembled and ready for connection to a computer.