A-640 PCIe U.2/M.2 NVMe SSD Adapter

User Manual

Ver. 1.00

All brand names and trademarks are properties of their respective owners.

Contents:

Chapter 1: Introduction 3
1.1 Product Introduction 3
1.2 Features 3
1.3 Systems Requirements 4
1.4 Product Diagram 4
1.5 Package Contents 4
Chapter 2: Getting Started 5
2.1 Hard Drive Installation 5

Chapter 1: Introduction

1.1 Product Introduction

This product is a PCIe to U.2/M.2 NVMe SSD adapter, allowing you to add either an M.2 or 2.5” U.2 NVMe SSD to your PC. It features a 4-lane PCIe Gen4 host interface, ensuring full bandwidth compatibility with both U.2 and M.2 drives. Additionally, it includes an auto-detection feature that identifies the installed SSD form factor and automatically switches the PCIe data path to the appropriate drive

1.2 Features

- PCIe Gen4 x4 standard profile form factor
- Supports single 2.5” U.2 or M.2 NVMe SSD drive
- Compliant with NVMe R1.4 specification
- Compliant with M.2 R1.1 specification
- Supports 22110/2280/2260/2242 key M or B+M NVMe SSD modules
- U.2/M.2 auto-detection
- Supports up to PCIe Gen4 x4 2.5" U.2 NVMe SSD / M.2 NVMe SSD
- Backward compatible with PCIe Gen3/2/1

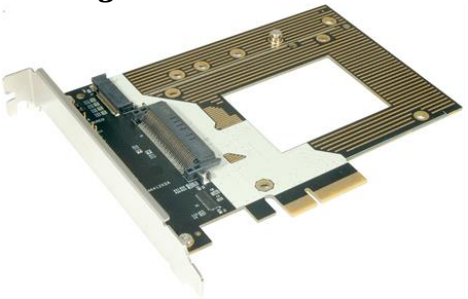
- OS independent with no drivers required

1.3 Systems Requirements

Operating systems supported are (64 bits)

- Windows 11/10 and Windows Server 2019/2022
- Linux
- Apple macOS X

1.4 Product Diagram



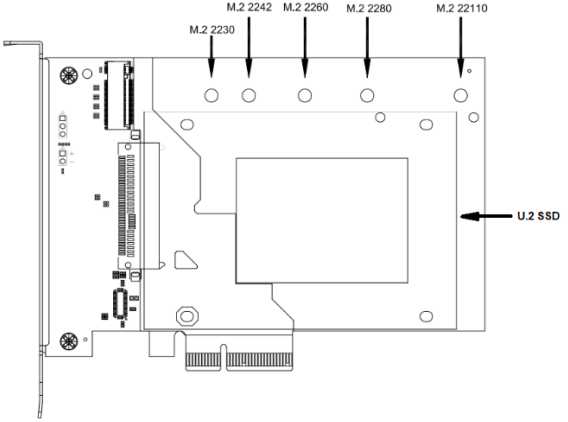
1.5 Package Contents

- 1 x A-640 PCIe U.2/M.2 NVMe SSD Adapter
- 1 x User Manual

Chapter 2: Getting Started

2.1 Hard Drive Installation

Follow the steps to install M.2/U.2 SSD.



2.1.1 Install the M.2/U.2 SSD to the A-640 adapter:

Check your SSD size is M.2 2280/2210 (a) or U.2 SSD.

a. M.2 SSD

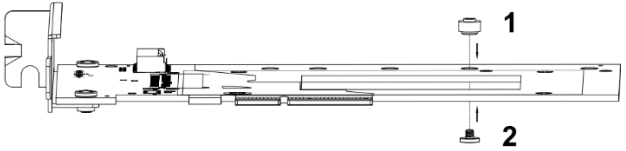


b. U.2 SSD

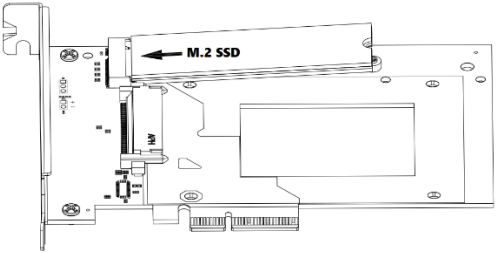


2.1.2 Add M.2 SSD to A-640 Adapter Card

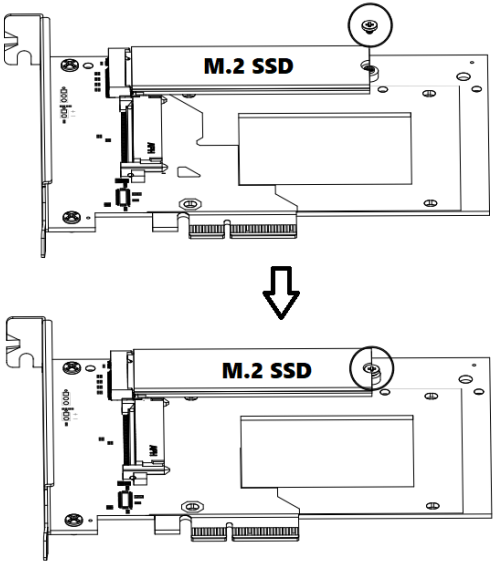
a. Place the screwed brass post (1) and secure it with the screw (2).



b. Insert the M.2 SSD into the slot, make sure the connector is fully inserted.



c. Secure the M.2 SSD with screws.

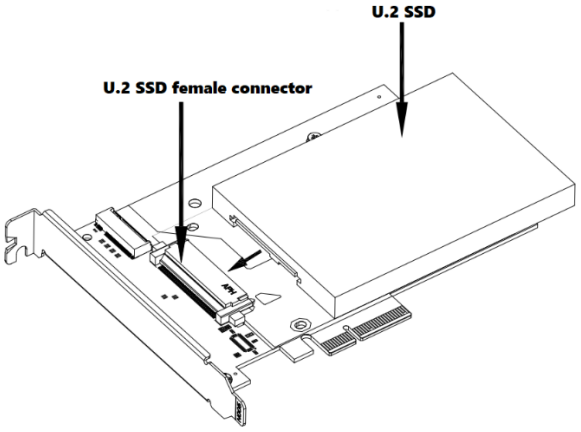


d. Finish.

e. If you need to install U2.2 SSD, please repeat the above three steps.

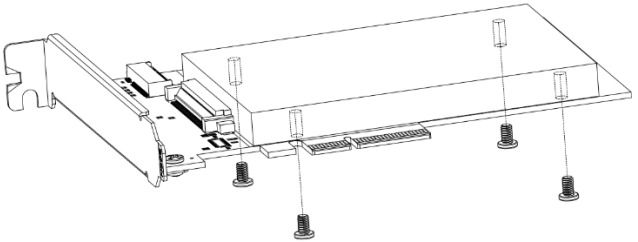
2.1.3 Add U.2 SSD to A-640 Adapter Card

a. Insert the M.2 SSD into the slot, make sure the connector is fully inserted.

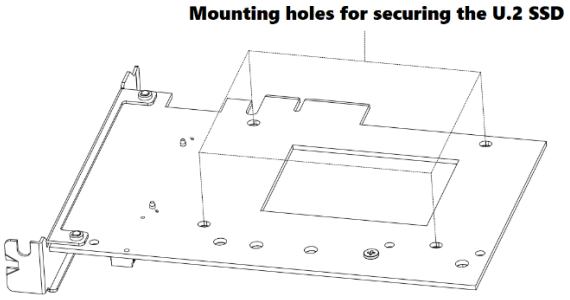


b. Secure the U.2 SSD with screws.

Front:



Back:



c. Finish.

2.1.4 Install the A-640 into the PCIe slot of your computer and lock it with the fixing screws.

