M.2 NGFF SATA SSD to USB3.1 Host

1. Introduction

Retain SATA M.2 NGFF SSD as a USB3.1 7mm height 2.5" drive, and Connect to 10Gbps USB 3.1 or USB 3.0 Host

1.1. Features

- USB 3.1 micro B upstream connector on board
- Supports USB3.1, USB3.0 and USB2.0 Host
- Compliant with Universal Serial Bus 3.1 Specification Revision 1.0
- Supports SuperSpeed+ (10 Gbps), SuperSpeed (5 Gbps), HighSpeed (480 Mbps), FullSpeed (12 Mbps), and LowSpeed (1.5 Mbps) transaction
- Compliant with Serial ATA Specification Revision 2.6
- Supports Serial ATA transfer rate of 6.0 Gbps
- Supports ATA/ATAPI Packet Command Set
- Supports ATA/ATAPI LBA 48 Addressing mode
- Supports 6Gbps, 3Gbps SATA based M.2 NGFF 80/60/42/30mm SSD
- M.2 NGFF type 2280-D5-B connector on board
- Movable M.2 NGFF stand-off and multiple plated-holes supports type 2280, 2260, 2242 and 2230 SSD
- Supports dual-sided SSD module 1.5mm component height on the top and bottom side
- Includes 2.5 " hard drive 7mm height metal frame and screws
- Dimension of PCBA with 2.5" frame : 100.45mm x 69.85mm x 7mm
- Support Windows, Mac and Linux, no driver required
- PCBA powered by USB3.1 Bus 5V
- If USB3.1 Host low power, optional U_PWR power input can automatically provide M.2 SSD high power from external max 5V3A micro-B power adapter instead of USB3.1 Bus

2. Installation

1. Install and retain M.2 NGFF SATA SSD into **M.2** socket on board.
2. Connect **U31_U1** USB3.1 connector to USB3.1 host with USB micro-B cable.
3. If USB3.1 Host can NOT provide enough power to high power SSD, connect external max 5V3A power adapter to U_PWR micro-B connector.

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