One PCIe M.2 SSD & Two SATA M.2 SSD Low Profile PCIe HBA

1. Introduction

Easy Install and utilize 110mm 1x M.2 NGFF PCIe based SSD and 2x M.2 SATA Based SSD modules in a Low Profile PCIe 3.0 x4 Lane host board!

1.1. Features

- PCI Express 3.0 x4 Lane Host adapter
- Compliant with 39Gbps PCI Express 3.0
- 1x M.2 NGFF type 22110-D5-M socket for PCIe Gen3 & Gen2 based M.2 SSD on bottom side
- o 2x M.2 NGFF type 22110-D5-B sockets for two SATA based M.2 SSD on top side
- o 2x SATA connectors on board for 2x SATA based M.2 SSD connecting
- Movable M.2 NGFF stand-off and multiple plated-holes supports 3x type 22110, 2280, 2260 and 2242 SSDs
- o Supports PCIe and SATA based M.2 NGFF 110mm, 80mm, 60mm, 42mm SSD
- o Supports PCIe 1.0 ,PCIe 2.0 and PCIe 3.0 motherboard
- Supports dual-sided M.2 SSD module 1.5mm component height on the top and bottom side
- One Access LED for each M.2 SSD
- o Low Profile PCIe Form Factor
- o Regular size PCIe bracket on board and Low Profile bracket included
- o Operating system independent and no driver required
- Supports OS like Mac 10.x, Windows 8, Win 7, Windows Server 2008, 2012, Linux series, Fedora, SUSE, Ubuntu, Red Hat 6.5
- Provides 3.3V/10A power to three M.2 SSD from Motherboard PCIe slot 12V directly, or from external power if 4Pin small Molex Power connector 12V connected

2. Installation

- 1. Install M.2 NGFF PCIe based SSD into bottom side M.2 socket, screw and retain SSD.
- 2. Install 2x M.2 NGFF SATA based SSD into top side M.2 sockets, screw and retain SSD.
- 3. Install PCIe Host Adapter with M.2 NGFF SSD into an available motherboard PCIe x4 or x8 or x16 slot.
- 4. Connect 2x 7Pin SATA ports (SATA1_2) to 2x SATA Host Ports
- If power hungry SSD installed, connect power connector **PWR** to 12V PC Power Supply for sufficient power

