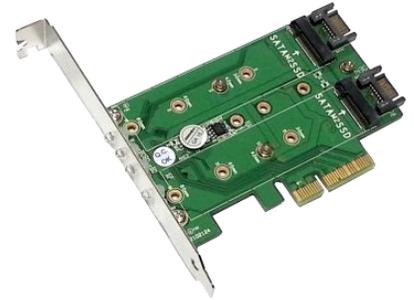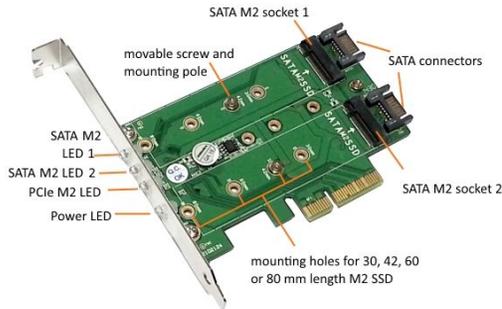## INTRODUCTION

This M2 adapter enables installing a combination of one M2 PCI SSD and two M2 SATA SSDs into a PCIe 4 lane slot of any Desktop system or server. Designed to accommodate M2 in 42, 60 or 80 mm length, this M2 adapter is a simple economical solution to replace a mechanical hard drive with a low power, shock resistant and high performance Solid State Drive. It is also a great solution to add as many as three high performance M2 SSD via just a single PCIe slot. Once installed, the M2 PCIe and the two M2 SSDs appear as three high-speed solid state drives to the OS. Comes with LEDs for monitoring the activity of each M2 SSD, this adapter requires no software driver and can be installed into any Desktop or Server equipment running with any OS.

For more detail of the M2 (NGFF) SSD. please visit the following link http://en.wikipedia.org/wiki/NGFF

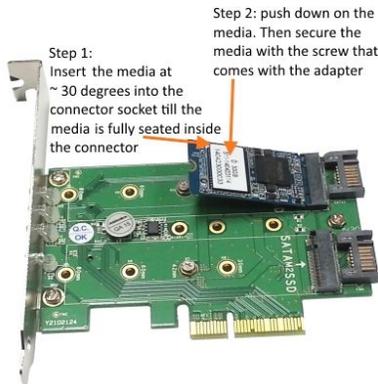**Accommodate 2 M2 SATA SSDs in length of 30, 42, 60 and 80 mm on top side**

Accommodate M2 PCIe SSD in length of 30, 42, 60 and 80 mm on the reverse side
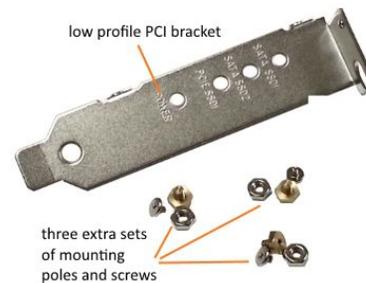
M2 SSD installation

(a 42 mm length M2 SATA SSD is shown for illustration purpose)

M2 SSD installation Included accessories

note: The M2 SSD shown is for illustration purpose and is not part of the product

FEATURES

- Suppor one (1) M2 PCIe SSD into and two (2) M2 SATA SSDs*
- M2 PCIe SSD interfaces directly to PCIe 4-Lane BUS
- Support M2 PCIe Gen3 and PCIe Gen2 SSD in length of 30, 42, 60 and 80 mm
- The two M2 SATA SSD interface to two SATA ports via the two onboard SATA connectors
- Support two M2 SATA SSDs in length of 30, 42, 60 and 80 mm
- Supports dual-sided SSD module with 1.5mm component height on the top and bottom side
- Support PCIe 1.0, 2.0 or 3.0 slot
- Maximum transfer rate depends on the speed of the M2 SSD
- Installable in standard height or low profile system (low profile bracket included)
- Replace any SATA hard drive in Desktop or server equipment with a low power and shock resistant M2 PCIe SSD
- M2 PCIe SSD can be the primary bootable device containing the OS and applications (requires support in the system BIOS)
- LEDs for power and media activity
- Industrial operating temperature: -40 °C to + 85 °C
- OS independent. No software driver required

Note:

* M2 PCIe SSD and M2 SATA SSD are M2 SSDs that use the same connector but different electrical interface. The M2 PCIe SSD communicates via PCIe BUS and the data throughput depends on the speed of the M2 media and the PCIe BUS. A 4-Lane PCIe 1.0 slot has a maximum speed limit of 10 Gbps whereas a 4-Lane PCIe 3.0 slot supports a maximum speed of 40 Gbps.

The M2 SATA SSD communicates via SATA port. The maximum speed depends on the M2 media and the connecting SATA port, which ranges from 1.5 Gbps for SATA 1.0 port to 6 Gbps for SATA 3.0 port.

- Suppor one (1) M2 PCIe SSD into and two (2) M2 SATA SSDs*

SPECIFICIATIONS

- Two (2) M2 (NGFF) SATA SSDs connectors and two mounting poles on top side of the controller
- Two (2) 7-PIN SATA connectors for connecting the two M2 SATA SSDs to SATA port
- 1 M2 (NGFF) PCIe card connector plus one mounting pole on reverse side of the controller
- Mounting poles can be moved to lock down media in the length of 30, 42, 60 and 80 mm
- Power from PCIe slot
- LED mounted on PCI bracket for power and media activity for each M2 SSD
- Industrial operating Temperature: -40 °C to + 85 °C
- Operating Humidity: 5% - 95% (non condensing)
- Storage Temperature: -40 °C to + 85 °C
- Storage Humidity: 5% - 95%
- Warranty: One Year