

RAID 2x mSATA SSD to 2.5" 7mm SATA III Drive

1. Introduction

Best Solution that Easily Latch and Retain Fast Speed 2x mSATA SSD to normally standard 7mm 2.5 inch SATA III Solid State Drive with RAID functionally!

1.1. Features

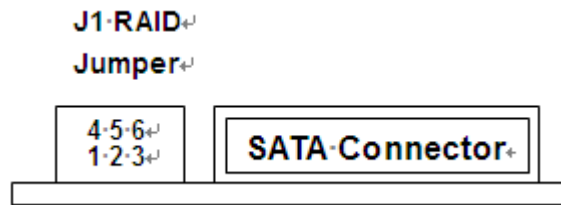
- 6Gbps SATA III RAID Controller
- Convert 2x Full Size mSATA SSD to 7mm 2.5" drive
- Supports RAID 1, SPAN (Big Drive) and PM (2Drives) Mode
- Supports SATA I, SATA II and SATA III (6Gbps) mSATA SSD
- 100% Compatible with 2.5" SATA drive mechanical spec
- 22 pin SATA (Signals and Power) male connector on board
- The mSATA SSD can be the primary bootable device containing the OS and application.
- Latch type mSATA connector on board, no need the screw to retain mSATA SSD
- Transparent to the operating system and no driver required
- Supports any OS like Windows, Mac and Linux
- Includes 7mm height 2.5 " drive metal frame with 8 mounting holes and 4 HDD screws
- Dimension of PCBA with 2.5" frame : 100.45mm x 69.85mm x 7mm
- Fully RoHS compliant

2. Installation

RAID Mode Setting or Mode Change will erase the data or metadata on your existing drives. User can't utilize the files of existing drives in RAID mode, except in PM mode.

When change the RAID mode, you shall initialize the adapter and mSATA SSD by setting the RAID mode to "RAID Initial Mode" (same as PM Mode) as below procedure, then set RAID Mode again to your desired Mode.

| RAID Mode | Description | Short Pins |
|-----------|------------------------------------|------------|
| R1 | RAID 1, Mirror | 2-3, 4-5 |
| SP | SPAN, JBOD | 1-2, 5-6 |
| PM | Port Multiplier, RAID initial Mode | 2-3, 5-6 |



- 1). Install and latch **mSATA1** SSD and **mSATA2** SSD into mSATA sockets.
- 2). Set **J1 RAID Jumper** to your desired mode or RAID initial mode.
- 3). Set **J2** jumper to short SET – GND.
- 4). Connect 22-Pin **SATA** connector to SATA Host and Power.
- 5). Turn on the power.
- 6). Check “**Device Manager**” the RAID status of mSATA1/2 .
- 7). Set **J2** jumper to short SET – NC and disable RAID Mode Change

3. LED Indication

Device Active and Fail LED Indication

| Description | ACT1 & ACT2 LED | FAIL1 & FAIL2 LED |
|------------------|-----------------|-------------------|
| Device Unplugged | OFF | OFF |
| Device Plugged | ON | OFF |
| Device Accessing | Flash (ON) | OFF |
| Device Failed | OFF | ON |