

SATA 3 to mSATA SSD & SATA 7pin RAID Assembly Guide








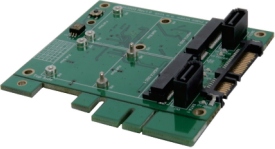

Features

- Build in ASM1092R high performance processor
- Fully hardware-accelerated RAID Engine
- Supports RAID levels: 0 / 1 / JBOD
- Build in SATA 7-pin connector x2
- Build in mSATA Female connector x2
- PWM synchronous buck converter Power IC x2
- 3A maximum output current
- Short circuit protection
- In-rush current suppression
- Thermal shutdown protection
- ESD HBM (Human Body Mode)/2KV

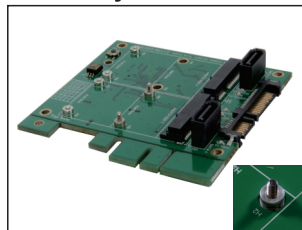
Before Assembly

- Please read through the installation guide first.
- Please check the accessory list before the integration.
Contact your local distributor if you find any parts missing.
- Please retain the original package if you need to return the package for RMA.

Assembling Accessories

		
M2x6 Screw*4	(for Full Size) M2x3 Screw*4	M2 Nut*4
		
Copper Nut H: 4.0mm*4	(for Bracket) M3x3 Screw*8	(for Bracket) M3 Copper Nut *4
		
3.5" Bracket*1		Adapter*1
Required Tools (Not included) All you need to assemble this unit are one screwdriver. 		

Assembly



STEP 1.

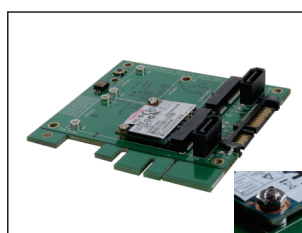
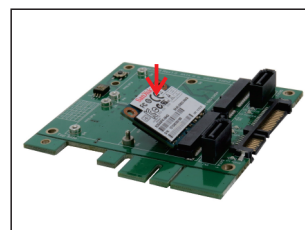
Make mSATA SSD Stand

Put copper nut on the same side of the mSATA connector.
Fix with M2x6mm screw from bottom to top of the adapter.

STEP 2.

Insert mSATA SSD

Insert mSATA SSD into mSATA 52pin connector.
Press down mSATA SSD and aim to the copper nut hole.



STEP 3.

Fix mSATA SSD

Use M2 nuts to fix mSATA SSD on the adapter, namely complete the assembly.

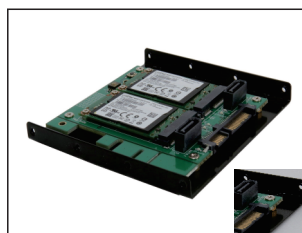
Repeat Step1~3 for the 2nd mSATA SSD.

If your mSATA SSD is Full Size, pls ignore STEP 1~3.
Use M2x3 Screws 2pcs to fix mSATA SSD directly.

STEP 4.

Assembly 3.5" Bracket

Put M3x3 screw from bottom side to top side of 3.5" frame and fix with M3 copper nut.



STEP 5.

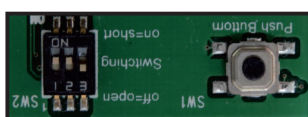
Fix Adapter & 3.5" Bracket

Fixed assembled M.2 SSD and Adapter on 3.5" frame with M3x3 screw.

RAID mode setup :

- Set RAID mode, you must install both 2 devices; otherwise, it is impossible to set RAID mode.

Set RAID 0 mode :



1	2	3
ON	ON	OFF

Switch SW2 as ON-ON-OFF.
Push SW1 Button to complete the setup.

Start PC, BIOS should show RAID 0 mode (ASMT109x-Fast).

Set RAID 1 mode :



1	2	3
ON	OFF	ON

Switch SW2 as ON-OFF-ON.
Push SW1 Button to complete the setup.

Start PC, BIOS should show RAID 1 mode (ASMT109x-Safe).

Set JBOD mode :



1	2	3
ON	ON	ON

Switch SW2 as ON-ON-ON.
Push SW1 Button to complete the setup.

Start PC, BIOS should show JBOD mode (ASMT109x-Volume).