

SATA 3 to M.2 & mSATA SSD RAID Assembly Guide

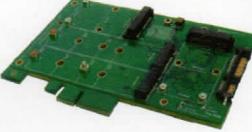
Features

- Build in ASM1092R high performance processor
- Fully hardware-accelerated RAID Engine
- Supports RAID levels: 0 / 1 / JBOD
- Build in Mini PCI-e Female connector x2
- Build in M.2 NGFF 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

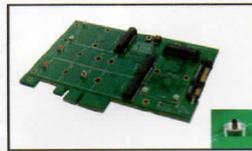
Before Assembly

- 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

			
M3x3 Screw*2	M3x5 Screw*2	M3 Nut*2	Copper Nut H: 1.45mm*2
			
M2x6 Screw*4	(for Full Size) M2x3 Screw*4	M2 Nut*4	Copper Nut H: 4.0mm*3
			
(for Bracket) M3x3 Screw*8	(for Bracket) M3 Nut *4	Required Tools (Not included) All you need to assemble this unit are one screwdriver.	
			
3.5" Bracket*1		Adapter*1	

Assembly



STEP 1.

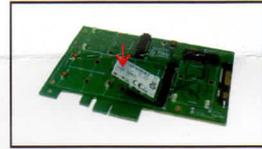
Make M.2 SSD Stand

Put copper nut on the same side of the NGFF connector. Fix with M3x5mm screw from top to bottom of the adapter.

STEP 2.

Insert M.2 SSD

Insert M.2 NGFF SSD into M.2 67pin connector. Press down M.2 NGFF SSD and aim to the copper nut hole.



STEP 3.

Fix M.2 SSD

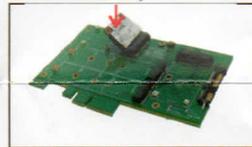
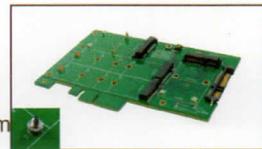
Use M3 nut to fix M.2 NGFF SSD on the adapter, namely complete the assembly.

If your M.2 NGFF SSD is 2280, pls ignore step 1~3. Use M3 x 3 Screw to fix M.2 NGFF SSD

STEP 4.

Make mSATA SSD Stand

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



STEP 5.

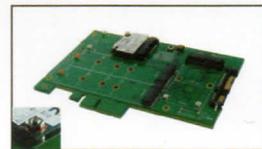
Insert mSATA SSD

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

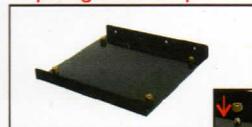
STEP 6.

Fix mSATA SSD

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



If your mSATA is Full Size, pls ignore step 1~3. Use M2x3 screw to fix mSATA.



STEP 7.

Assembly 3.5" Bracket

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



STEP 8.

Fix Adapter & 3.5" Bracket

Fixed assembled M.2 SSD and Adapter on 3.5" Bracke 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 (ASMT109-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 (ASMT109-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 (ASMT109-Volume).