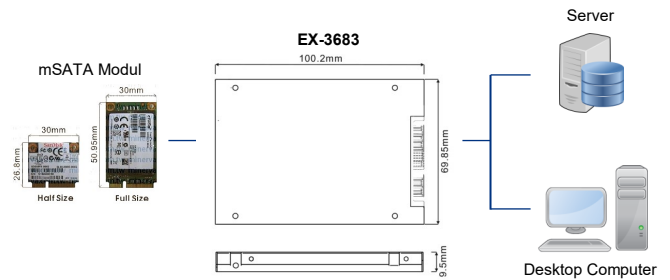




## Anwendungen / Application



## SATA 3 zu 2 x mSATA SSD (RAID) mit 2.5" Einbaurahmen (9.5mm)



## SATA 3 to 2 x mSATA SSD (RAID) with 2.5-inch metal frame (9.5mm)

## Beschreibung

Der EX-3683 Konverter ist einsetzbar als Ersatz einer 2.5-zoll Festplatte oder SSD. Für den Anschluss der EX-3683 wird ein SATA 3 Anschluss auf dem Mother-Board oder einem SATA 3 Controller benötigt. Die mSATA Module „Half Size“ oder Full Size“ können eingesetzt werden. Der EX-3683 unterstützt RAID 0 / 1 und JBOD.

## Merkmale

- Eingebauter ASM1092R High Performance Prozessor
- Unterstützt zwei Half Size oder Full Size Module
- 100% Mechanisch Kompatibel zu einem 2.5" Einbaurahmen, 9.5mm Form Factor
- Unterstützt RAID Mode: RAID 0 (schnell) / RAID 1 (Sicherheit) und JBOD (Volume)
- RAID Mode per Hardware umschaltbar zwischen Strapping oder GUI Controller
- 22 Pin SATA (Signal und Strom) Stecker
- Unterstützt SATA 3 Revision 3.1
- Betriebssystem unabhängig und es benötigt keine Treiber
- Grüne LED für aktives SATA 3, Rote LED für Fehler Anzeige der M.2 SSD

## Spezifikationen

- **Datentransfer-Rate:** bis zu 6.0Gb/s
- **Anschlüsse:** 1 x 22 Pin SATA und Power  
2 x mSATA Half Size oder Full Size
- **Hardwaresysteme:** SATA 3 vom Mother-Board oder Controller
- **Treiber:** Es werden keine Treiber benötigt
- **Betriebstemperatur :** 0°C bis 55° Celsius
- **Lagertemperatur:** -40°C bis 75° Celsius
- **Rel. Luftfeuchtigkeit:** 5% bis 95%
- **Abmessung:** 100.20 x 69.85 x 9.5mm
- **Gewicht:** 200g
- **Lieferumfang:** EX-3683, 4 Befestigung Schrauben für 2.5" Rahmen, Montage Anleitung

## System / OS



UNIX

## Geprüft / Approved



## Verpackung / Packaging



## Description

The EX-3683 converter can be used as a replacement of a 2.5-inch hard drive or SSD. For the connection of the EX-3683, a SATA 3 connector from the Motherboard or from a SATA 3 controller is required. You can use the mSATA module: Half Size and Full Size. The EX-3683 supports RAID 0 / 1 and JBOD.

## Features

- Built-in ASM1092R high performance processor
- Supports Half Size or Full Size module
- 100% compatible with 2.5-inch SATA drive mechanical specification
- Support RAID mode: RAID 0 (fast) / RAID 1 (safe) and JBOD (volume)
- RAID mode switch by hardware strapping or GUI controller
- 22 pin SATA connector (signal and power)
- Support SATA 3 Revision 3.2
- Transparent to the operating system and don't need driver
- Green LED indicate SATA 3 host active, red LED indicate M.2 NGFF SSD error

## Specification

- **Data transfer rate:** up to 6.0Gb/s
- **Connectors:** 1 x 22 pin SATA and power  
2 x mSATA Half Size or Full Size
- **Hardware system:** SATA 3 from the Mother-Board or controller
- **Driver:** Don't need driver
- **Operating Temperature :** 32°F till 131° Fahrenheit
- **Storage Temperature:** -40°F till 167° Fahrenheit
- **Rel. Humidity:** 5% to 95%
- **Size:** 100.20 x 69.85 x 9.5mm
- **Weight:** 200g
- **Packaging contents:** EX-3683, 4 x screw for fix the 2.5" frame, Assembly Guide










**Features**

- Standard 2.5", 9.5mm(H) Form Factor
- Support a SATA host & two mSATA SSD devices
- Built-in ASM1092R high performance processor
- RAID mode switch by hardware strapping or GUI controller
- RAID mode: RAID 0(fast) / RAID 1(safe) / JBOD(volume)
- 3-button Hardware switch to setup RAID mode
- Green LED indicate SATA 3 host active
- Red LED indicate mSATA SSD error

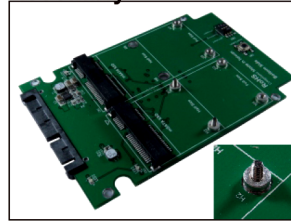
**Before Assembly**

- 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**

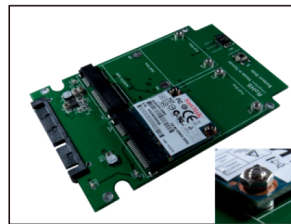
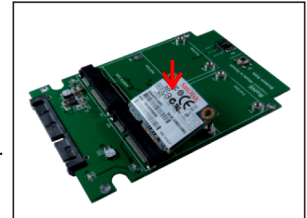
		
M2x6 Screw*4	(for Full Size) M2x3 Screw*4	M2 Nut*4
		
Copper Nut H: 4.0mm*4	(for Adapter) M2x3 Screw*5	(for Housing) M2x3 Screw*5
		
2.5" Housing (9.5H) *1	R2026F Adapter*1	
<b>Required Tools (Not included)</b>		
All you need to assemble this unit are one screwdriver.		
		

**Assembly**



**STEP 1.**  
**Make mSATA SSD Stand**  
Put copper nut on the same side of the mSATA connector. Fix with M2x3mm 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.

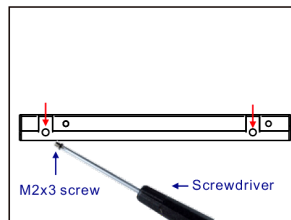
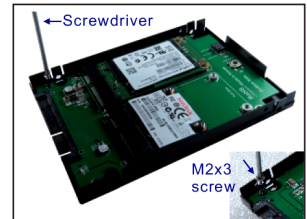


**STEP 3.**  
**Fix mSATA SSD**  
Use M2 nuts to fix mSATA SSD on the adapter, namely complete the assembly.

**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.**  
**Fix Adapter & Housing**  
Assembly the adapter into 2.5" housing with 4pcs of M2x3 screws.




**STEP 5.**  
**Combine 2.5" Housing**  
Cover the Top cover. Use 4pcs of M2x3 screws to fix the housing from broadsides.

**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).