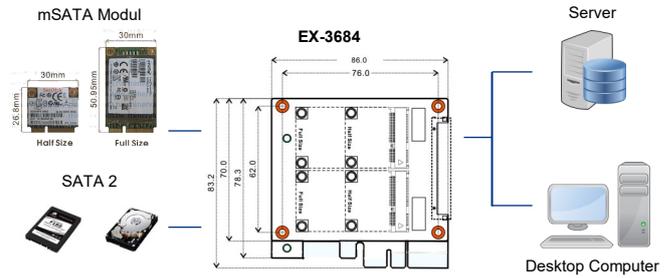


Anwendungen / Application



SATA 3 zu 2 x mSATA SSD & SATA 2 mit 2.5" Einbaurahmen, RAID 0/1



SATA 3 to 2 x mSATA SSD & SATA 2 with 2.5-inch metal frame, RAID 0/1

Beschreibung

Der EX-3684 Konverter ist einsetzbar als Ersatz einer 2.5-zoll Festplatte oder SSD. Für den Anschluss der EX-3684 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. Gleichzeitig kann man zwei weitere Festplatten oder SSD an die SATA 2 Ports anschliessen. Der EX-3684 Konverter unterstützt RAID 0 / 1 und JBOD. Zusätzlich wird ein Bügel für eine vertikale Installation im PC zu ermöglichen.

Description

The EX-3684 converter can be used for a replacement of a 2.5-inch hard drive or SSD. For connecting the EX-3684, 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. At the same time, it is possible to connect two other hard drives or SSDs to the two SATA 2 ports. The EX-3684 supports RAID 0 / 1 and JBOD. Additionally, it includes a bracket for vertical installation in the PC.

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
- Inklusive zusätzlichem Bügel für eine Installation auf der Rückseite des PC's

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
- Additionally, it includes a bracket for installation on the backside of the PC

Spezifikationen

- **Datentransfer-Rate:** bis zu 6.0Gb/s
- **Anschlüsse:** 1 x 22 Pin SATA und Power
2 x mSATA Half Size oder Full Size
2 x SATA 2 ports
- **Hardwaresysteme:** SATA 2 oder 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:** 300g
- **Lieferumfang:** EX-3684, 4 Befestigung Schrauben für 2.5" Rahmen, Montage Anleitung

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
2 x SATA 2 ports
- **Hardware system:** SATA 2 or 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:** 300g
- **Packaging contents:** EX-3684, 4 x screw for fix the 2.5" frame, Assembly Guide

System / OS

Geprüft / Approved

Verpackung / Packaging



UNIX



SATA III for 2 ports mSATA SSD & 2 ports SATA III RAID Card

Install 1 : insert adapter on PCIe slot

Install 2 : assembly adapter with 3.5" frame bracket

Usage 1.

SATA POWER.
to MB SATA port

mSATA SSD

Usage 2.

2.5" SATA SSD

Usage 3.

3.5" SATA HDD / 2.5 SATA HDD

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
Pull 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).