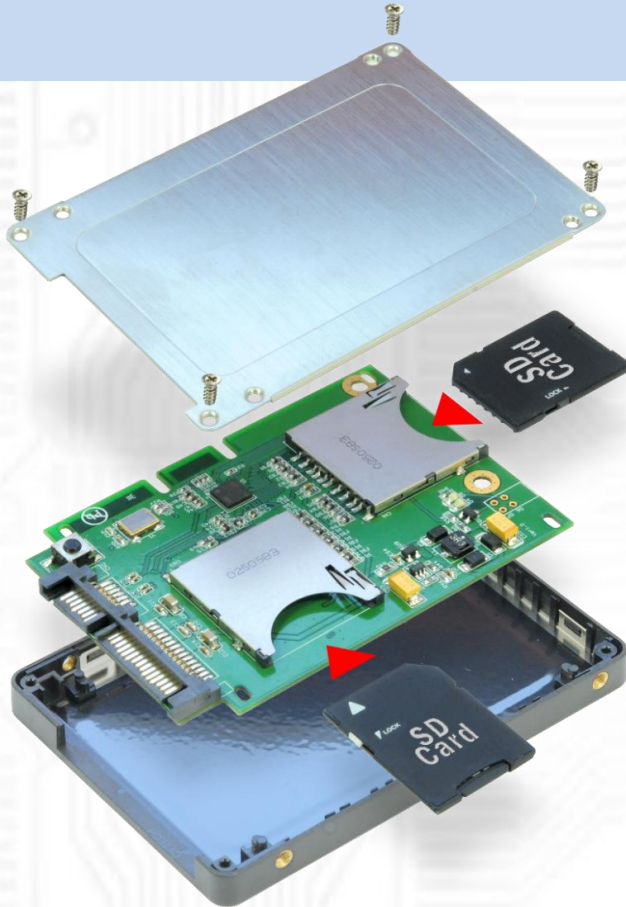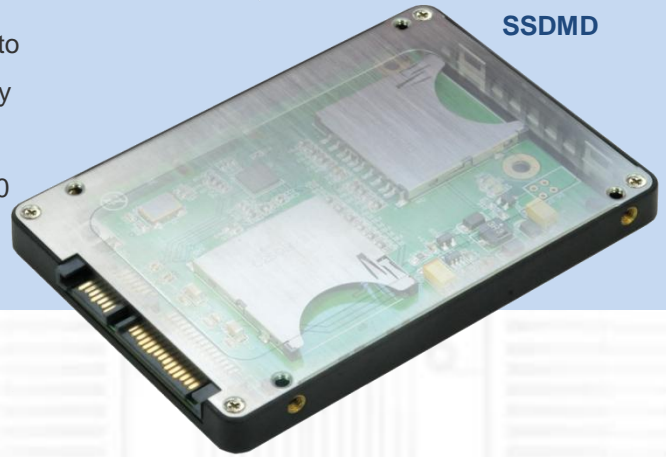# SSDMD (SD Card to SATA Adapter)

The SSDMD support SD memory cards in a 2.5" SATA HDD form-factor to act as a solid state 2.5" SATA HDD. It supports SDXC up to 2TB capacity and UHS1 200MHz bus speed. SSDMD embedded two SD host controllers can provide flexible configurations like string mode and RAID0 functions.

SSDMD

SSDMD module

Specification

- Standard 2.5" SATA HDD interface
- Provides 2 expansion slots,
- Support SDSC/SDHC/SDXC card
- Support SATA 1.5G transfer rate
- No driver required

SSDMD Package Content

- **SSDMD** (SD Card to SATA Adapter) x1
- **Screw** x4

System Requirements

Support all operating systems
Notebook or desktop computer with a free SATA port

SSDMD module Package Content

- **SSDMD module** (SD Card to SATA Adapter) x1
- Standard Height PCI express bracket x1

Test Report:

Single Slot 2011/9/1	SSDMD v1 Evaluation			Windows XP(SP3) Dell Vostro200			hd_speed 256 sector/command			
Card	Speed	Slot	Read	LT	RT	HT	Write	LT	RT	HT
Panasonic 8GB (old)	SDR104	0	56MBs	OK	OK	OK	17.2MBs	OK	OK	OK
Panasonic 8GB (old)	SDR104	1	56MBs	OK	OK	OK	17.3MBs	OK	OK	OK
Toshiba Black 64GB	SDR104	0	50.5MBs	OK	OK	OK	30MBs	OK	OK	OK
Toshiba Black 64GB	SDR104	1	52MBs	OK	OK	OK	30MBs	OK	OK	OK
Toshiba Blue 16GB	SDR104	0	74MBs	OK	OK	OK	50MBs	OK	OK	OK
Toshiba Blue 16GB	SDR104	1	74MBs	OK	OK	OK	50MBs	OK	OK	OK
San Disk 16GB	SDR50	0	36.5MBs	OK	OK	OK	28.3MBs	OK	OK	OK
San Disk 16GB	SDR50	1	37MBs	OK	OK	OK	28.3MBs	OK	OK	OK
Green House	SDR50	0	32.5MBs	OK	OK	OK	16MBs	OK	OK	OK
Green House	SDR50	1	32MB	OK	OK	NG	16MBs	OK	OK	OK*1
Panasonic 4GB	HS	0	21MBs	OK	OK	OK	15MBs	OK	OK	OK
Panasonic 4GB	HS	1	20.9MBs	OK	OK	OK	15MBs	OK	OK	OK
* 5V input	LT: Low temp., RT: Room Temp., HT: High temp.									
*1 Need to change sampling clock										

Stripping (Raid 0) 2011/9/1	SSDMD v1 Evaluation			Windows XP(SP3) Dell Vostro200			hd_speed 256 sector/command			
Card	Speed		Read	LT	RT	HT	Write	LT	RT	HT
Panasonic 8GB (old) x2	SDR104		70MBs	OK	OK	OK	28MBs	OK	OK	OK
Toshiba Black 64GB x2	SDR104		73MBs	OK	OK	OK	38MBs	OK	OK	OK
Toshiba Blue 16GB x2	SDR104		79MBs	OK	OK	OK	52MBs	OK	OK	OK
San Disk 16GB x2	SDR50		42.5MBs	OK	OK	OK	32.5MBs	OK	OK	OK
* 5V input	LT: Low temp., RT: Room Temp., HT: High temp.									