

**SR2611-2S-S2R is an internal RAID1 Mirroring data storage unit with superb performance providing fault-tolerance function and backup for two SATA-II Drives.**



### Features:

- **Real-time backup:**  
Backup data through RAID1 mirroring function to prevent loss of data due to hard drive failure.
- **Large data backup:**  
SR2611-2S-S2R supports >2TB large capacity to save and backup critical data. **(RAID grade drives are recommended only)**
- **Hot-Swap:**  
A failed hard drive can be replaced without system power down.
- **Maintain computer efficiency:**  
Backup performance is based on HDD size and speed. It has little or no effect on the system performance.
- **Driver-free and easy to manage:**  
No driver. Easy to manage and monitor in time with LCD display or via Windows based GUI software.
- **Alarm System:**  
The system will monitor the hard disk, fan and temperature. In case of any failure, it sets the alarm on automatically.

### Technical Specifications



Model No.	SR2611-2S-S2R
Microprocessor	RAIDON 2045 RAID ASIC
Host Interface	SATA II (300Mb/s)
Burst Transfer Rate	300MB/s
Support Hard Drive	SATA II (300Mb/s)
Support HDD Capacity	RAID grade drives are recommended only
RAID Level	RAID 1
Form Factor	2x 5.25" Device
Status Display	LCD Display & Buzzer
RAID Guide Platform	Windows Only via RS232
Management & Monitoring	Via RS232 Serial DB9 port (S2R)
Operating Systems	Windows / Linux / Others
Cooling Fan	5.2cm ball bearing fan
Enviro. Temperature	0C~55C
Certifications	CE/FCC
Dimensions (mm)	146Wx220Dx85H
Weight (Kg)	1.3

## SR2611-2S-S2R Testing Report

### Test Configuration:

- Supermicro X8SAX motherboard
- Intel i7-920 2.66GHz Quad Core CPU
- 2GB DDR31066 ECC RAM
- 2x 250GB Seagate ES.2, 72K, 32MB Cache
- Tested using onboard SATA-II port with Intel CHR10
- Windows Server 2003 R2 x32
- NTFS default 4KB cluster/allocation size

### Testing Procedure Results:

#### Hardware Detection Tests Connection

BIOS Visibility	Yes
OS Visibility	Yes
NTFS & Linux Format	Yes
Read/Write	Yes
Bootable	Yes
Linux Compatible (Fedora Core 4 tested) & Others	Yes

#### Rebuild Time

Idle (No Data Access)	Successful Mirror Hour for 250Gb	Rebuild Time
Primary > Secondary (SR2611-2S-S2R)	01:09:08	250GB / 69 min = 3.62GB/M
Secondary > Primary (SR2611-2S-S2R)	01:09:06	250GB / 69 min = 3.62GB/M

### Data Transfer Rate and I/O Performance Tests

#### Data Access with Single Drive

64K Transfer Request Size	SR2611-2S-S2R	
	MB/s	IO/s
100% Sequential Read	84.90	1358.36
100% Sequential Write	54.33	869.27
100% Random Read	5.33	85.22
100% Random Write	15.58	249.35
50% Read & 50% Write with 50% Random & 50% Sequential	9.10	145.56

#### Data Access with Dual Drives in Mirroring Mode

64K Transfer Request Size	SR2611-2S-S2R	
	MB/s	IO/s
100% Sequential Read	65.99	1055.87
100% Sequential Write	40.29	664.67
100% Random Read	6.25	99.94
100% Random Write	14.61	233.82
50% Read & 50% Write with 50% Random & 50% Sequential	8.66	138.58

**Data Access Dual Drives in Mirrored Mode**

64K Transfer Request Size	SR2611-2S-S2R	
	MB/s	IO/s
100% Sequential Read	172.08	2753.24
100% Sequential Write	54.24	867.80
100% Random Read	5.32	85.17
100% Random Write	15.14	242.20
50% Read & 50% Write with 50% Random & 50% Sequential	9.07	145.18

**Compatible Products**

Both SR3611-2S-SB2 2-bay external eSATA+USB RAID1 and i303Tank single enclosure SR3611 eSATA+USB are compatible with SR-2611-2S-S2R. Both of these units are true SATA-II and use the same tray as SR-2611-2S-S2R.

SR3611-2S-S2 external unit has its own PSU and has similar performance and features to SR2611-2S-S2R.



**SR3611 External 2-Bay SATA-II RAID1 Disk Mirroring with eSATA+USB2.0 Interface**



**iTank303 External Single SATA-II Drive Enclosure with eSATA+USB2.0 Interface**