RAIDON

SR2611-2S-S2R+（6G） Quick Installation Guide

Product Diagrams and Contents of Product Package

Front View

Rear View

❶ LCD Display
❷ LED of Failure Alarm
❸ LED of Pri HDD
❹ LED of Sec HDD
❺ Mute Button
❻ Key Lock

❶ Fan
❷ RAID Mode
❸ RS232 Port
❹ SATA Port
❺ 15 PIN Power Connector
❻ 4 Pin Big Power Connector

After you open the outer package, make sure that the following items are contained in the package:

Contents of Product Package

SR2611-2S-S2R+ (6G) Device x1

CD x1
Quick Guide x1
Accessory Kit x1

Internal SATA Cable x1
Internal RS232 Cable x1
External RS232 Cable x1
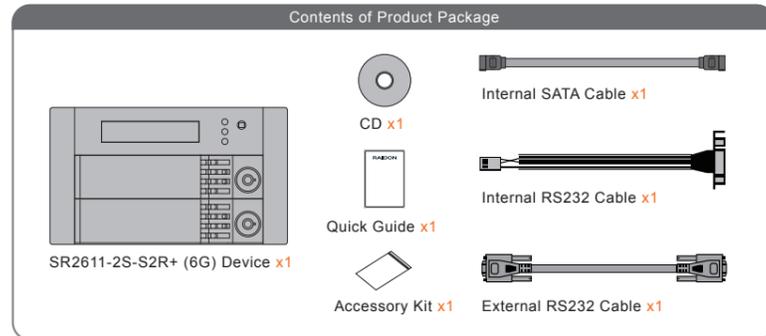
⚠ **NOTE** "If you like to connect to RS232 port, please check the pin assignment of mother board in advance then choose the right cable."

Please make sure related accessories and product body are not missing or damaged. For any questions, please contact local distributor or retailer from your purchase for further assistance.

V1.2 (Dec. 2016)

Hardware Installation

1. Install your hard disks into the removable trays and secure them with the screws from accessory kit. This will protect your hard disk from any unnecessary movement.

OR   OR
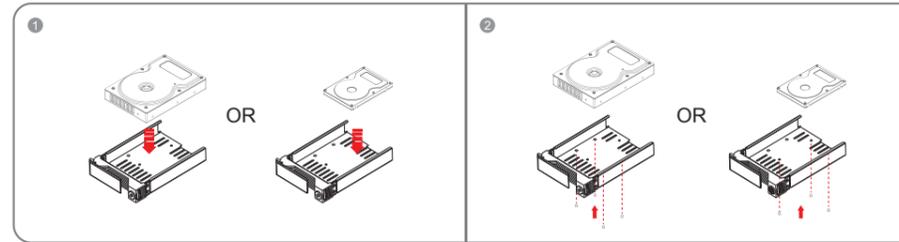
2. Once the hard disks have been installed, insert the removable trays into device and close the handles.

3. Install device into one of the CD-ROM bays with screws from the accessory kit. Then properly connect SATA cable and DC cable from your system to the device.

⚠ **NOTE** RS232 Port and RS232 Cable : Provides hardware status monitoring to industrial control system or IPC via RS232. If more information are required, please contact **supporting@raidon.com.tw**.

❸
Internal SATA Cable ❶
Power Supply Connector ❷
Internal RS232 Cable ❸
External RS232 Cable ❹

Power Supply
SR2611+
COM1
COM2
Mother board
SATA Ports
SR2611+
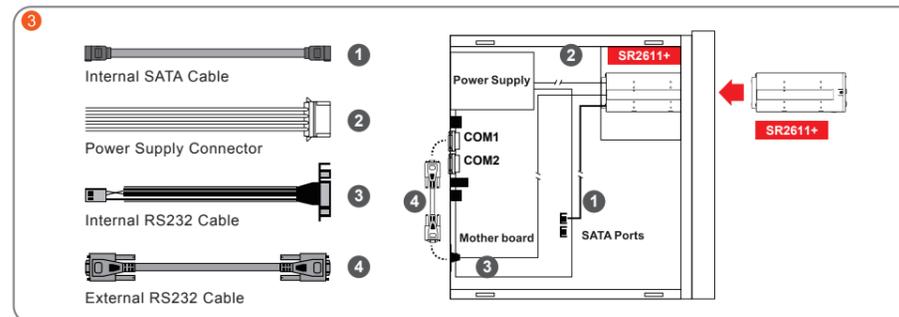
4. Power on your system after hardware installation is completed, and your operating system will automatically detect the hard drives from booting. Then follow the steps from your operating system to partition and format the drives when necessary, device will be ready to use once the format is completed.

RAID Mode Setting

1. Please select the RAID mode with the jumper located at the back panel. The original default is RAID 1, still there are three pins at the back panel for RAID mode selection: RAID 0 mode by setting the jumper on the bottom of the two pins. RAID 1 mode by setting the jumper on the top of the two pins.

RAID 0 mode   RAID 1 mode

2. RAID 1 Mode (default)

1) Insert two brand new hard drives into SR2611-2S-S2R+ (Hereinafter referred to as SR2611+).

2) As RAID 1 is composed of two hard drives, it can be referred to as disk mirroring, each data will simultaneously be written in two hard drives and the data in two hard drives are exactly the same. Whenever one of the hard drives is failed, the system is still able to work normally. Once the failed hard drive is replaced by a new one, SR2611+ will start auto-rebuilding.

The computing method of RAID 1 hard disk capacity:
[total capacity] = [minimum capacity of hard drive]

Ex:
2 × 500GB HDD=500GB
1 × 500GB HDD+1× 200GB HDD=200GB

3. RAID 0 Mode

1) Insert two brand new hard drives into SR2611+.

2) The RAID 0 combines two hard drives to work as a large hard drive which provides the efficient read/write performance.

The computing method of RAID 0 hard disk capacity:
[total capacity] = [hard drive number] x [minimum capacity of hard drive]

Ex:
2 × 500GB HDD=2 × 500GB=1000GB
1 × 500GB HDD+1× 200GB HDD=2×200GB=400 GB

GUI Monitoring Software & Firmware Updating
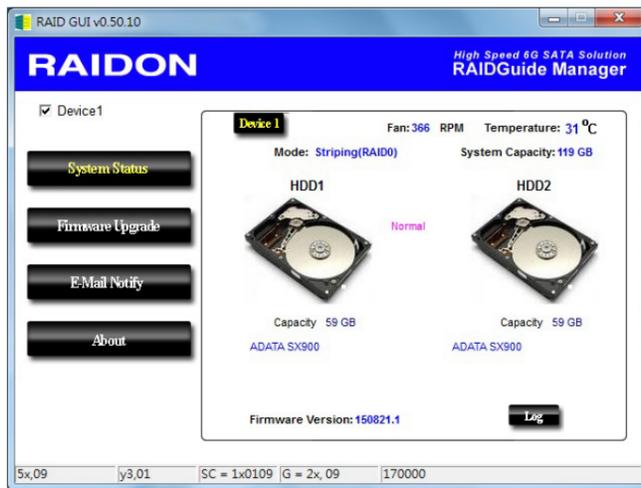
You can use the GUI software to monitor RAID status and update firmware. Please find the related application program from the disc that provided in the package.

⚠ **NOTE** Updating firmware may cause your system unable to operate normally. If your system runs normally, we suggest that you do not update firmware. Should you have any doubts on firmware updating, please contact the technical service staff of **RAIDON Technology Inc.** or email us at: **supporting@raidon.com.tw**.

All Messages Displayed on the LCD

1. Booting and Normal status

SR2611+	Pe i HDD:OK
RAID-1 v150821.1	Sec HDD:OK

2. Over Temperature (≥50°C)

Pe i HDD:OK	
Sec HDD:OK	T

3. Fan Failure

Pe i HDD:OK	F
Sec HDD:OK	

4. RAID 1 Mode. Primary hard drive is failure, but secondary hard drive is normal.

RAID-1 degraded
Pri : X Sec : O

5. RAID 1 Failure. Primary and secondary hard drives are failure.

RAID-1 failure
Pri : X Sec : X

6. RAID 1 Failure (Double Source)

RAID-1 failure
Double Source

7. RAID 0 Failure. Primary or secondary hard drive is missing.

RAID-0 failure	RAID-0 failure
Pri : M Sec :O	Pri : O Sec : M

8. RAID 1 Failure. Primary hard drive is missing, but secondary hard drive is normal.

RAID-1 failure
Pri : M Sec :O

9. Rebuilding

Rebuilding	Rebuilding
Sec→Pri 32%	Sec→Pri 32%
Sec to Pri	Pri to Sec

⚠ **NOTE** When "T" is shown, it means that there is an alarm for system over-heating, but the normal data transmission will not be affected; if the ambient temperature has been improved, it will return to normal.

Precautions Before Application

1. We suggest you using 2 brand new 3.5-inch SATA hard drives with the same brand and model number for the best performance. When any one of the hard drives is failed, please ensure that the capacity of the new hard drive is the same or bigger than the original one.

2. Please ensure that the hard drives are free of bad tracks before using, otherwise, it may cause system crash in turn resulting in data loss.

3. We strongly suggest you that the RAID mode should be decided before starting use SR2611+. If you need to reset the RAID mode after using SR2611+, please remember to backup your data on the other hard drives or the data may lose.

4. We strongly recommend you to keep an extra copy at your important personal data other than stored in your SR2611+ product. Raidon will not be responsible of your data loss problem.

Thank you for choosing product from **RAIDON Technology Inc.** This information in the manual has been thoroughly checked before publication, but may not conform to the product actually delivered which mean actual product specifications depend on the product shipped to you. Any update in the specifications or product-related information shall not be subject to further notice but for the latest information on the product, please visit the website as **www.RAIDON.com.tw** or contact us at **supporting@raidon.com.tw** , and we will get back to you as soon as possible.