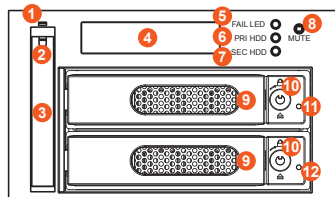


# RAIDON

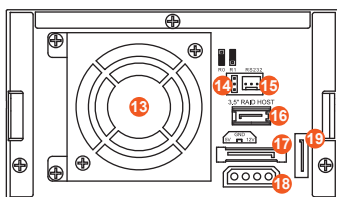
## iR2623-S3 快速安裝導引

### 產品示意圖與配件表

前視圖



背視圖



- 2.5" 硬碟讀取燈
- 2.5" 硬碟鑰匙孔
- 2.5" 硬碟抽取盒
- 液晶顯示面板
- 故障顯示燈
- 主硬碟狀態指示燈
- 次硬碟狀態指示燈
- 靜音按鍵
- 3.5" 硬碟抽盒把手
11. 主硬碟讀取燈
12. 次硬碟讀取燈
13. 散熱風扇
14. RAID 模式設定
15. RS232 埠
16. 3.5" 硬碟 SATA 連接埠
17. SATA 15Pin 電源輸入埠
18. 4Pin 電源輸入埠
19. 2.5" 硬碟 SATA 連接埠

打開包裝外盒後，包裝內容應包含下列組件：

| iR2623-S3 配件內容            |  |
|---------------------------|--|
| iR2623-S3 產品本體X1(內含抽取盒x3) |  |
| SATA線 x1                  |  |
| 快速安裝導引 x 1                |  |
| 螺絲及鑰匙                     |  |

- 請先確認相關配件與產品本身是否有受損或是缺少配件，若有任何疑問，請與您的經銷商或業務人員聯絡。
- 請前往官網 ([www.raidon.com.tw](http://www.raidon.com.tw)) 下載說明書、驅動程式以及其餘相關資源。



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### 產品使用注意事項

- 電腦或伺服器具備 SATA I、SATA II 或 SATA III 介面。
- 具備 SATA I、SATA II 或 SATA III 介面的硬碟。
- 強烈建議使用 iR2623-S3 前先設定好 RAID 模式(預設值是 RAID 1)。
- 在新增或變更 RAID 模式後需重新啟動產品，以確保完成更新為新的 RAID 模式。
- 本系統允許使用不同廠牌的硬碟。但如果要獲得更好的效能，我們強烈建議使用相同廠牌型號的硬碟。
- 安裝硬碟前請先確認所使用的硬碟並無壞軌或是其他問題，以免導致系統損毀或資料遺失。
- 硬碟格式化後，iR2623-S3 的總使用儲存容量或許會與硬碟容量加總後的有所不同。
- 強烈建議除了使用 iR2623-S3 的資料儲存功能外，請針對重要資料備份到另一個儲存裝置上或遠端備份，雙重備援您重要的資料。若您儲存在 iR2623-S3 的資料損毀或遺失，RAIDON 將不負任何責任。

### 硬碟安裝

請參照以下步驟完成硬體安裝：

步驟 1 拆開外包裝並取出產品本體。

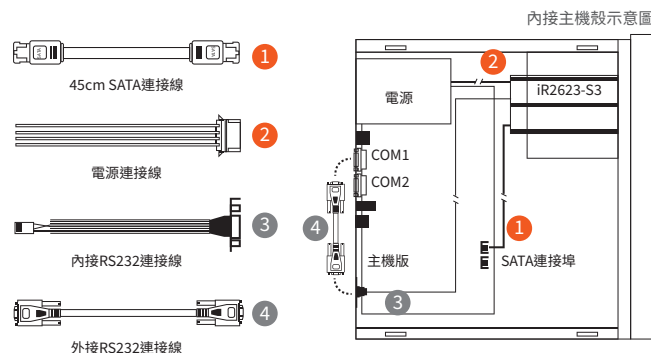
步驟 2 將系統擺放於穩固平台，並確認散熱風扇口沒有被其他物體擋住，系統四周有適當的散熱空間。(擺放環境請避免接近潮濕或其他易對產品造成損傷的環境)

步驟 3 請使用零件包內附的頂針插入鑰匙孔後，抽取盒門門將會輕彈開啟，即可將硬碟抽取盒取出。

步驟 4 將硬碟安裝到抽取盒上，並以零件包內附的螺絲加以固定，以避免不必要的移動對硬碟造成傷害。

步驟 5 硬碟安裝完成後請將抽取盒平移放入主機內並關上把手。

步驟 6 連接 SATA 連接線與電源線。(參照以下圖)



RS232 連接埠和 RS232 連接線：提供工控產業或 IPC 產業透過 RS232 進行硬體狀態偵測，如有需要可向銳銳銷售/客服人員 [supporting@raidon.com.tw](mailto:supporting@raidon.com.tw) 索取相關資料。

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### 設定 RAID 層級

請透過機器後面的 jumper 來設定 RAID 層級。出廠預設值是 RAID 1。機器背面有三根 pin 腳用來設定 RAID 層級，若要設定 RAID 0 模式，請選用下面兩根；若要設定 RAID 1 模式，請選用上面兩根。

#### 1. RAID 1 模式

- 將新的硬碟放入 iR2623-S3 中。強烈建議您使用兩顆相同的硬碟，以便取得對等的容量。如果兩顆硬碟的容量不同，iR2623-S3 將會以小容量的硬碟為依據。

- RAID 1 模式下，兩顆硬碟是鏡射關係因此擁有相同的資料，因此有一顆硬碟損毀仍然可以正常運作。當放入新硬碟取代損毀硬碟後，系統會自動將資料重建到新的硬碟。

#### 2. RAID 0 模式

- 將新的硬碟放入 iR2623-S3 中。強烈建議您使用兩顆相同的硬碟，以便取得對等的容量。如果兩顆硬碟的容量不同，iR2623-S3 將會以小容量的硬碟為依據。

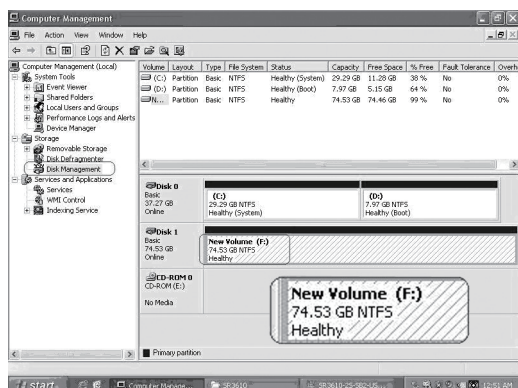
- RAID 0 模式下，兩顆硬碟的容量會被加總成一個大儲存容量，並且提供更佳的存取效能。

### 硬碟格式化及磁碟機建立

當 iR2623 的硬體安裝完成，即可準備進行開機動作。

硬體安裝完成後，將 BIOS 的硬碟偵測設定為自動，iR2623-S3 將會被視為如同一顆硬碟一般。當電腦開機後，系統會顯示下列偵測訊息：

- 安裝在 iR2623-S3 中的硬碟能夠被 Windows 的裝置管理員偵測到。
- 使用 iR2623-S3 前，使用者可以透過磁碟管理選擇硬碟的格式。



到此完成整個安裝程序。使用者可以如同存取一般硬碟的使用 iR2623-S3。

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### LCD 螢幕顯示與 LED 燈號說明

#### 1. 開機與正常待機狀態。

iR2623  
RAID-1 vxxxxxx.x

Pri HDD : OK  
Sec HDD : OK

| 狀態             | 面板燈號  |          | 3.5" 硬碟讀取燈 |        | 2.5" 硬碟讀取燈 | 蜂鳴器 |
|----------------|-------|----------|------------|--------|------------|-----|
|                | 故障顯示燈 | 主硬碟狀態指示燈 | 次硬碟狀態指示燈   | 主硬碟讀取燈 | 次硬碟讀取燈     |     |
| 開機             | --    | 橘燈恆亮     |            | 藍燈閃爍   | 藍燈恆亮       | --  |
| 待機             | --    | 橘燈恆亮     |            | 藍燈恆亮   | 藍燈恆亮       | --  |
| 硬碟故障 (RAID 降級) | 紅燈恆亮  | --       |            | 紅燈恆亮   | 藍燈恆亮       | 鳴叫  |
| 資料存取           | --    | 橘燈恆亮     |            | 藍燈閃爍   | 藍燈閃爍       | --  |
| 資料重建 (Source)  | --    | 橘燈恆亮     |            | 藍燈恆亮   | 藍燈恆亮       | --  |
| 資料重建 (Target)  | --    | --       |            | 紅燈閃爍   | 藍燈恆亮       | --  |
| 風扇故障           | 紅燈恆亮  | 橘燈恆亮     |            | 藍燈恆亮   | 藍燈恆亮       | 鳴叫  |
| 溫度過高           | 紅燈恆亮  | 橘燈恆亮     |            | 藍燈恆亮   | 藍燈恆亮       | 鳴叫  |

感謝您使用 銳銳科技股份有限公司 的產品。

本手冊裡的資訊在出版前雖然已經被詳細確認，但實際產品規格將以出貨時為準；任何的產品規格或相關資訊更新，請您直接上 [www.RAIDON.com.tw](http://www.RAIDON.com.tw) 網站查詢，或是直接與您的業務聯絡窗口聯繫，本公司將不另行通知。

如果您對 銳銳科技 的產品有任何疑問，或是想獲得最新產品訊息、使用手冊或軟體，請您聯絡 [supporting@raidon.com.tw](mailto:supporting@raidon.com.tw)，我們將儘速回覆您。

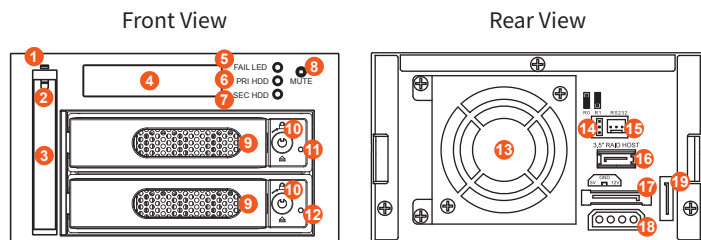
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# RAIDON

## iR2623-S3 Quick Installation Guide

### Package Contents and Product Views



1. 2.5" HDD status indicator LED
2. 2.5" HDD tray ejector opening
3. 2.5" HDD removable tray
4. LCD Display
5. LED of failure Alarm
6. Pri HDD status indicator
7. Sec HDD status indicator
8. Mute Button
9. 3.5" Removable drive tray
10. HDD tray key lock
11. Pri HDD tray access light
12. Sec HDD tray access light
13. Cooling fan
14. RAID mode switch
15. RS232 Port
16. 3.5" SATA Port
17. 15 PIN SATA Port
18. 4Pin Power socket
19. 2.5" SATA Port

Open the package and you should find the following:

| iR2623-S3                                            |
|------------------------------------------------------|
| iR2623-S3 X1(with removable drive tray enclosed x 3) |
| SATA Cable x 1                                       |
| Quick Setup Guide x 1                                |
| Screws and keys                                      |

- Please check the product and accessories for any defect or missing parts. If you have any questions, please contact your product supplier.
- Please visit the official website ([www.raidon.com.tw](http://www.raidon.com.tw)) to download user manuals, drivers and other related resources.



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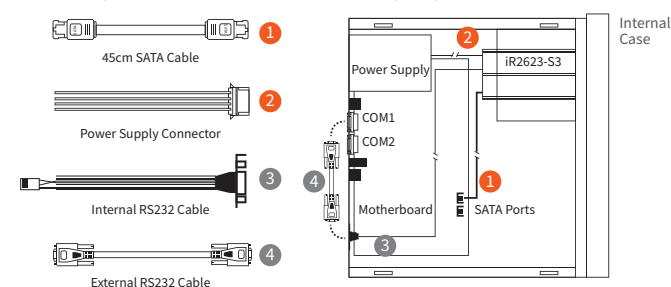
### Hardware Requirements and Precautions

- Computers or servers with SATA I & SATA II & SATA III.
- Hard drive with SATA I & SATA II & SATA III.
- You are strongly advised to set the storage mode (the default is the Independent mode) before using the iR2623-S3.
- The product needs to be restarted after adding or changing the RAID mode, and the update is guaranteed to be the new RAID mode.
- The product allows the user to simultaneously utilize two hard drives manufactured by different companies. However, if the user expects better efficiency, we strongly recommend the users to use hard drives manufactured by the same manufacturer.
- Please make sure that the two hard drives are free from bad blocks or defects prior to installation in order to avoid system crashes or data loss.
- The actual storage capacity of iR2623-S3 recognized by the system may differ from the total capacity stated on the hard drives combined once the drives have been formatted.
- It is highly recommended for users to back up important data contained within the iR2623-S3 on a regular basis or whenever the user feels necessary to a remote or a separate storage device. Stardom will not be responsible for any loss of data caused during the use of the unit or the recovery of the data lost.

### Hardware Installation Procedure

Please follow the instructions below to complete the hardware installation.

- Open the package and take out the product making sure that all the enclosed contents are not damaged or missing. Should you find damages or missing contents, please contact your supplier immediately.
- Place the system on a stable surface. Ensure that it is well ventilated without blockage to the vent and kept away from areas near water and damage prone areas.
- Use the key included in the accessory kit and inserted into the key access opening to eject the removable drive tray latch and extract the removable drive tray.
- Mount your hard drives onto the removable drive tray and secure it with the screws included in the accessory kit to avoid any damage to the hard drive due to accidental movements.
- When the hard drive installation has been completed, insert the hard drive tray into the system horizontally and secure the latch into place.
- Properly connect SATA cable and power cable from your system to the device.



RS232 Port: For industrial control system or IPC to monitor the hardware status. More information, please contact your sales window or [supporting@raidon.com.tw](mailto:supporting@raidon.com.tw)

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### Setting the Hard Drive Array Mode

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.

#### 1. RAID 1 Mode

- Place two new hard drives into iR2623-S3 and strongly suggest you to use two identical hard drives to get the equal capacity. If the capacity is different, iR2623-S3 is downward to the small hard drive capacity.

- Under RAID 1 mode, two hard drives has the identical information as one to mirror to the other one, therefore each of the hard drive failed is still able to function normally. When you replace the failed hard disk to the new one the system automatically rebuilding the data to the newly place hard disk.

#### 2. RAID 0 Mode

- Place two new hard drives into iR2623-S3 and strongly suggest you to use two identical hard drives to get the equal capacity. If the capacity is different, iR2623-S3 is downward to the small hard drive capacity.

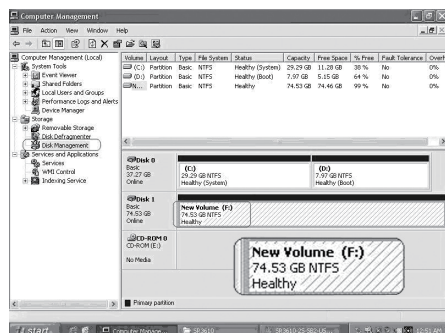
- Under RAID 0 mode, capacity is add up to a one big volume, also with the feature of faster read/write performance efficient.

### Computer Set Up

When the hardware setup for iR2623-S3 is complete, you are now ready to turn the machine on.

After the hardware installation is complete, the iR2623-S3 will be treated as one single hard drive. Set the hard drive to AUTO in the computer's BIOS. When the computer is turned on, the system will retrieve the following information:

- In iR2623-S3, the installed hard drive can be detected by the Device Manager of Computer Management for Windows.
- Customers can choose to format the hard drive by using the Disk Management tool of the operating system before using the iR2623-S3.



At this point, the installation process is completely finished. The user can freely retrieve and save data to iR2623-S3 just like retrieving and saving data to a regular hard drive.

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### LCD Display and LED Indicators

#### 1. Booting and Normal status.

iR2623  
RAID-1 vxXXXXX.x

Pri HDD : OK  
Sec HDD : OK

| Status              | Panel light         |                          |                          | 3.5" HDD tray access light     |                           | 2.5" HDD tray access light | Buzzer |
|---------------------|---------------------|--------------------------|--------------------------|--------------------------------|---------------------------|----------------------------|--------|
|                     | Fail LED            | Pri HDD status indicator | Sec HDD status indicator | Pri HDD tray access light      | Sec HDD tray access light | HDD tray access light      |        |
| Power On            | — —                 | Orange light always on   |                          | Blue and Purple light flashing |                           | Blue light always on       | — —    |
| Stabdy              | — —                 | Orange light always on   |                          | Blue light always on           |                           | Blue light always on       | — —    |
| HDD Failure         | Red light always on | — —                      |                          | Red light always on            |                           | Blue light always on       | On     |
| Access              | — —                 | Orange light always on   |                          | Blue and Purple light flashing |                           | Blue light flashing        | — —    |
| Rebuilding (Source) | — —                 | Orange light always on   |                          | Blue light always on           |                           | Blue light always on       | — —    |
| Rebuilding (Target) | — —                 | — —                      |                          | Red light flashing             |                           | Blue light always on       | — —    |
| Fan Failure         | Red light always on | Orange light always on   |                          | Blue light always on           |                           | Blue light always on       | On     |
| Over Heat (≥50°C)   | Red light always on | Orange light always on   |                          | Blue light always on           |                           | Blue light always on       | On     |

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](http://www.RAIDON.com.tw) or contact us at [supporting@raidon.com.tw](mailto:supporting@raidon.com.tw), and we will get back to you as soon as possible.

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