RAIDON
Your Data Security Guardian

InTANK
iR8023
User Manual

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Introduction

Thank you for purchasing RAIDON products. This User Manual will introduce you the InTANK iR8023 storage product. Before using your iR8023, please read it thoroughly. Although all information contented in this User Manual had already been carefully verified before publishing, however, the actual product and its specification will be based upon the time of delivery from RAIDON. Any update to the product or its relevant information may be listed on www.raidon.com.tw . Product is subjected to change without prior notifications.

If you have any question regarding to the product you purchased, or you would like to know the latest product information, User Manual's update, please contact to your local supplier or visit to www.raidon.com.tw for further information.

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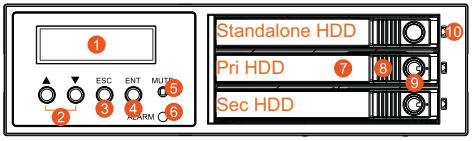
1. Package Contents and Product Views

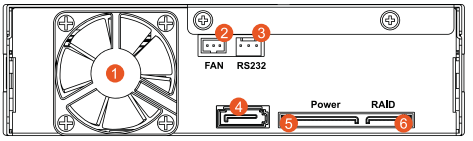
Open the package and you should find the following parts:

iR8023
iR8023 x1 (with removable drive tray enclosed x3)
SATA Cable x1
Screws & Keys
Quick Installation Guide x1

- 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) to download drivers and other related resources.

Product View, Front and Back





1. LCD Display
2. UP/DOWN Buttons
3. ESC Button
4. Enter Button
5. Mute Button
6. Power Failure Indicator
7. HDD Tray Handle
8. HDD Tray Ejection
9. HDD tray key lock
10. HDD Access Indicator

1. Cooling Fan
2. 3-pin Fan Connector
3. RS232 Connector
4. 7-pin SATA Connector (Standalone HDD)
5. 15-pin Power Connector
6. 7-pin SATA Connector (RAID HDD)

LED Indicators：

Status	Standalone HDD	RAID HDD	System Indication	Buzzer
No HDD	N/A	Red light always on	Purple light always on	ON
HDD Idle	Blue light always on	Blue light always on	Blue light always on	N/A
Access	Blue light flashing	Purple light flashing	Blue light always on	N/A
Rebuilding-Source	Blue light always on	Blue light always on	Blue light always on	N/A
Rebuilding-Target	Blue light always on	Red light flashing	Blue light always on	N/A
Fan Failure	Blue light always on	Blue light always on	Purple light always on	ON

2. Operation Information

Operating Temperature : 0 ~ 40 ℃ (32 ~ 104 ℉)
Storage Temperature : -10 ~ 70 ℃ (14 ~ 158 ℉)
Line Voltage : 5V DC

3. Hardware Requirements and Precautions

1. Computers or servers must be with SATA I, SATA II, or SATA III interface.
2. Only support 2242/2260/2280 M.2 SATA SSD dimension.
3. The independent drive at the top cannot be set into RAID mode with primary or secondary drive. It is an independent drive.
4. You are strongly advised to set the storage mode before using your iR8023. (The default setting is the RAID 1.)
5. Once the drive mode configuration has been completed, re-configuration using the same hard drives to set the drive mode will result in complete data loss. If you must change the drive mode, make sure to backup all data prior to the mode change.
6. A reboot is required after adding or changing RAID mode to ensure that the update is completed to the new RAID mode.
7. iR8023 product allows user to simultaneously use the two different hard drives from two different manufactures. However, if the user expects a better efficiency, we strongly recommend the user to use the two hard drives from the same manufacturer.
8. 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.
9. The actual storage capacity of iR8023 recognized by the system may differ from the total capacity stated on the hard drives combined once the drives have been formatted.
10. It is highly recommended for user to back up important data contained within the iR8023 unit on a regular basis or whenever the user feels necessary to a remote or a separate storage device. RAIDON will not be responsible for any lost of data caused during the use of the unit or the recovery of the data lost.

4. Hardware Installation Procedure

Please follow the instructions below to complete the hardware installation.

Step1. Unlock the M.2 SATA Bridge Tray Key Lock and push the HDD tray ejection to the right .

Step2. Pull out the M.2 SATA Bridge Tray.

Step3. Remove the screws of the upper cover of the M.2 SATA Bridge.

Step4. Open the upper cover .

Step5. Insert M.2 and fix the screw.

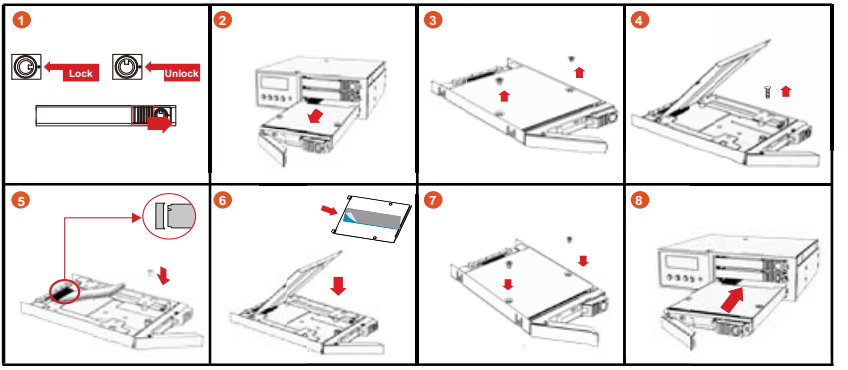
Step6. Remove the paper from the heat sink in the upper cover and put the upper cover back.

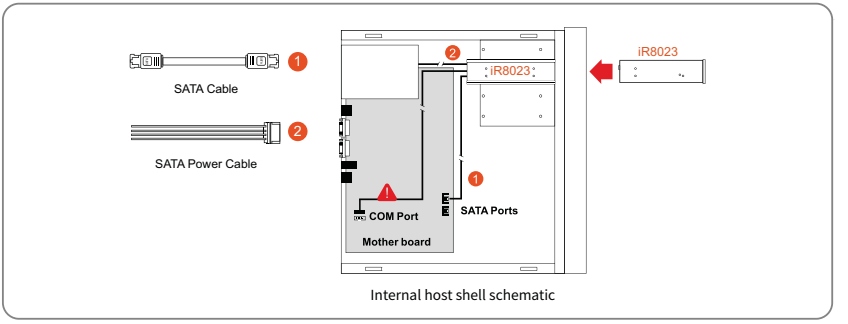
Step7. Fix the screws.

Step8. Install the M.2 SATA Bridge tray back into the iR8023

Step9. Install device into one of the CD-ROM bays with screws from the accessory kit. Then properly connect SATA cable and SATA power cable from your system to device.

Step10. 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.





※ Note :

1. RS232 Port and RS232 Cable: Provides hardware status monitoring to industrial control system or IPC via RS232.
2. We do not recommend users to disassemble the device without proper instructions and authorization. The manufacture warranty will not cover the damages caused by unauthorized disassembling.
3. To prevent the device from malfunction, please make sure the device is connected with a direct and dedicated power connection of a stable power input.
4. 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

5. RAID Mode Setting

After placing your two hard disks, turn on power and press UP Button, you are with the RAID Setting mode. (Since the default setting is RAID 1 mode by factory, you do not have to reset RAID if you want to use your iR8023 with RAID 1 mode.)

1. RAID 1 mode
   1). Place two new hard drives into iR8023.
   We would strongly suggest you to use two identical hard drives to get the maximum memory capacity. And if the capacities of your two hard drives are difference, iR8023 only recognizes the memory capacity at the small capacity hard drive.
   2). Under RAID 1 mode, two hard drives will have the identical information as one from its mirroring feature, therefore, even though one and only one of the two hard drives failed, iR8023 will still work fine and properly. Once you replace the failed hard disk with a new one, iR8023 will automatically do rebuilding the data from the good one to the new hard disk.

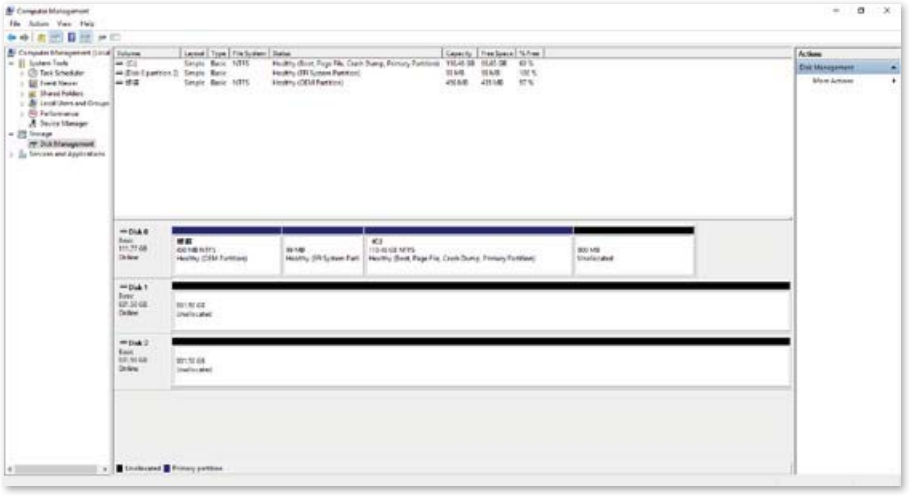
2. RAID 0 mode
   1). Place two new hard drives into iR8023.
   We would strongly suggest you to use two identical hard drives to get the maximum memory capacity. And if the capacities of your two hard drives are difference, iR8023 only recognizes the memory capacity at the small capacity hard drive.
   2). Under RAID 0 mode, the total memory capacity of iR8023 would be double from the small capacity hard drive. And also, RAID 0 mode will perform an excellent efficiency from its high data transfer rate for user to read & write data.

6. Computer Setup

When the hardware setup for iR8023 is complete, you are now ready to turn the machine on.

After the hardware installation is complete, the iR8023 will be treated as one single hard drive. When the computer is turned on, the system will retrieve the following information.

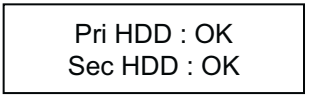
1. Device Manager Utility of Window OS will automatically detect the hard drive(s).
2. You can choose to format the hard drive by using the Disk Management tool of the operating system before using the iR8023.



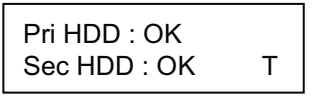
At this point, the installation process is completely finished. The user can freely retrieve and save data to iR8023 just like retrieving and saving data to a regular hard drive. If the user has any problem during the operation, please refer to the Question & Answer (Q&A) section in Appendix.

7. Hard Disk Status on LCD Screen

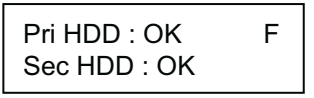
1. Booting and Normal status.



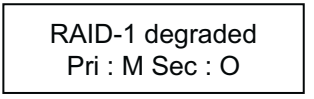
2. Over Heat (≥50° C)



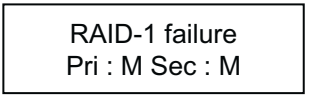
3. Fan Failure



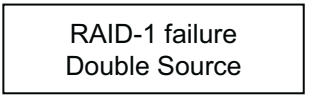
4. RAID 1 Degraded：Primary hard drive is failure, but secondary hard drive is normal.



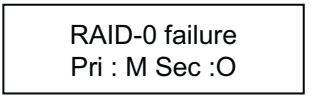
5. RAID 1 Failure：Primary and secondary hard drives are failure.



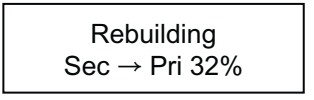
6. RAID 1 Failure：Double Source



7. RAID 0 Failure：Primary hard drive is missing, but secondary hard drive is normal.



8. Rebuilding



8. Data Rebuilding Operation

The Hot Swappable hard drive and Auto Rebuilding features are available.

Off-line Back up : When the data is stored in iR8023, user can remove one of the hard drives as back up drive for data such as system operation file, secured files, seldom modified files or image and music files. The user can periodically insert the hard drive back into iR8023 to execute automatic backup to protect the system from being hit by computer virus or to avoid the risk of having both hard drives failing at the same time.

When one of the two hard drives fails in iR8023, it will issue an alert of a hard drive failure message in both LCD display and the monitoring software. User can remove the failed hard drive from the system while the system is still in operation without shutting down the machine. If the failed hard drive is replaced shortly, the system will automatically execute the Auto Rebuilding function without affecting the system operation and also any operation command from the user.

When the iR8023 detects one hard drive missing or failure, the Buzzer starts BEEPING and the LCD displays the following messages :

RAID-1 degraded Pri : X Sec : O

After replacing a new hard disk with the failed one, LCD displays the following messages:

Pri HDD : OK Sec HDD : Insert

Pri HDD :Insert Sec HDD : OK

After few seconds from your inserting a new hard drive, LCD displays the data rebuilding progress :

Rebuilding Sec → Pri 32%

Rebuilding Pri → Sec 32%

When iR8023 completes its rebuilding, LCD again displays the following messages :

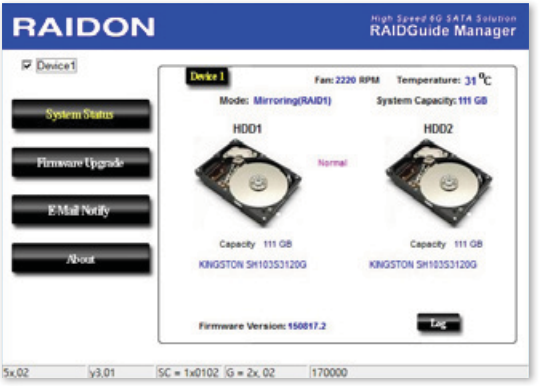
Pri HDD : OK Sec HDD : OK

9. GUI Monitoring Software and Firmware Update

Users can download the GUI software from the website to monitor the status of the product.

1. System Status:

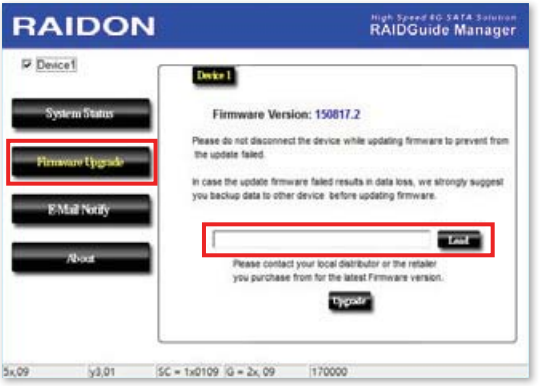
This GUI automatically detects your iR8023 and reveals relative information accordingly.



2. Firmware Upfrade:

You may update the Firmware via this GUI, to just simply click on the “Load” button to locate the firmware file to proceed. After completing the update, you may restart the power to work with the new firmware.

※ Caution: Any random firmware update may cause the malfunction at your iR8023, We strongly recommend you not to change/upgrade iR8023 firmware if still works properly.



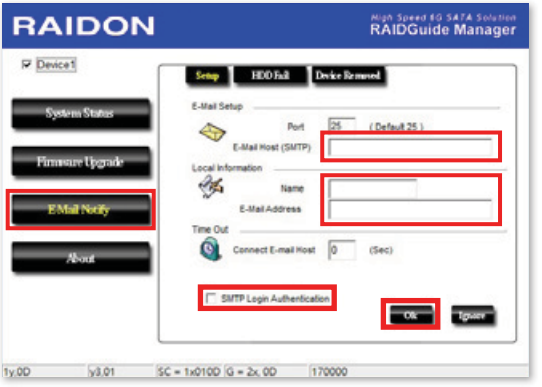
3. Email Notification

Please first set up an e-mail address for the notification of a malfunction drive or the removed drive.

3-1 Setup

1). Select an Outgoing SMTP and write down your e-mail name and address.
2). If it requests a password, select an option SMTP Login Authentication, and key-in the password.
3). When completing the configuration, click on the “OK” button to save.

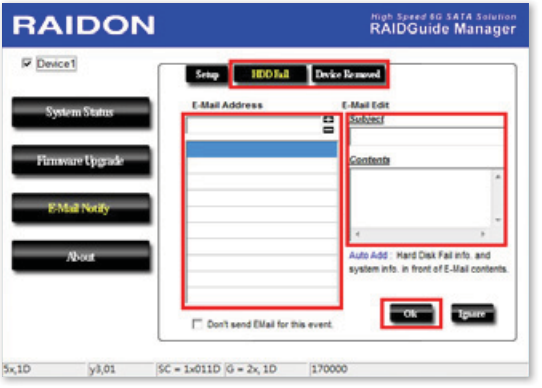
※ Device must be in the operation states during configuration works.



3-2 HDD Failure / Device Removed

1). Insert your e-mail address as the receiver for notification, and click on “+” to add the e-mail address onto the Notification List. (Maximum up to 10 e-mail addresses)
2). Key-in the Subject title and contents in the columns of “Subject” and “Contents”.
3). When completing the configuration, click on “OK” button to save.

※ Device must be in the operation status during configurations works.



The GUI Management Software Version:

10. Questions & Answers

Unstable system after installing iR8023

Q1. After installing iR8023, we are unable to start the computer or the computer doesn't recognize iR8023.

A: 1. Please check whether if the readings of iR8023 LCD appears normal.

2. Please check whether if the SATA Cable properly connects to the computer and whether if the two hard disks are functioning properly.

3. If all the devices work properly but user is still unable to start the computer, it might be the system incompatibility problem. If such incompatibility takes place, please contact to our Customer Service Department to supporting@raidon.com.tw.

Q2. Computer works fine, but iR8023 doesn't perform right in reading/writing messagesproperly.

A: Please first check whether if iR8023 is executing the auto REBUILDING work.
If it works for REBUILDING, your iR8023 is a good device. And if it doesn't, please follow the following two ways to find out the possible root cause:

1. Please examine if your SATA cable is too long and will attenuate signal, or whether if the Two SATA cables fail to meet the cable specification requirements.

2. If the two cables meet the requirements at both the specification & length, please turn off the computer, remove the two hard drives from iR8023, and directly connect the hard drives to computer, format them, and then try to read/write data into them.
You may find out that the hard disk (s) are with unacceptable bad sector quanty.

M.2 SATA SSD Failure

Q1. Under the Mirror mode (RAID 1), what will be the total storage capacity when adding a brand new M.2 SATA SSD?

A: 1. The total storage capacity at your iR8023 is determined by the storage capacity of the primary M.2 SATA SSD installed during the initial usage.

2. The storage capacity will not be increased even though you replace a larger capacity new M.2 SATA SSD.

Q2. Why does the error message appear when I install the second M.2 SATA SSD ?

A: The storage capacity of the new replaced M.2 SATA SSD must be larger than the first M.2 SATA SSD .Otherwise, iR8023 is unable to perform REBUILDING work.

About the Auto Rebuilding Function

Q1. What will happen if we turn off the computer power while iR8023 is still executing auto REBUILDING work?

A: Under the Mirror mode (RAID 1), if computer power is off during REBUILDING work, iR8023 will still remember the percentage of its REBUILDING work, and then resume it back to its REBUILDING work while computer power is back on.

Q2. Is it possible to lose data during the REBUILDING work?

A: The REBUILDING work will automatically duplication data from one sector to another sector. Technically speaking, the data should not be lost during its REBUILDING work. However, if the original HDD is detected with too many bad sectors during the REBUILDING work, iR8023 will make hypothetical duplication instead of treating the bad sectors as HDD failure. Therefore, the data stored in the bad sectors could potentially be lost during REBUILDING work.

關於這份手冊

感謝您使用 RAIDON 的產品。本手冊將介紹 InTANK iR8023 產品。在您開始使用 iR8023 系列產品前，建議您先閱讀過本手冊。手冊裡的資訊在出版前雖已被詳細確認，實際產品規格仍將以出貨時為準；任何產品規格或相關資訊更新請您直接到 www.raidon.com.tw 網站查詢，本公司將不另行通知。若您想獲得 RAIDON 最新產品訊息、使用手冊、韌體或對 RAIDON 產品有任何疑問，請您聯絡當地供應商或到 www.raidon.com.tw 取得相關訊息。

本手冊相關產品內容歸銳銨科技股份有限公司版權所有

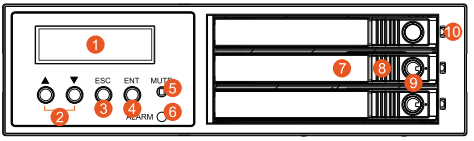
1. 產品外觀及包裝內容

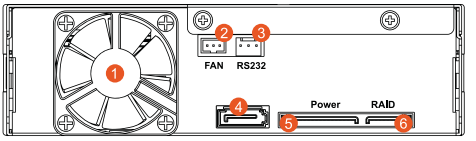
打開包裝外盒後，包裝內容應包含下列組件：

iR8023
iR8023 產品本體 x1(內含抽取盒 x3)
SATA 連接線 x1
螺絲及鑰匙
快速安裝導引 x1

- 請確認相關配件與產品本身是否有受損或配件缺少，若有任何疑問請與本產品供應商聯絡。
- 請前往官網 (www.raidon.com.tw) 下載驅動程式以及其餘相關資源。

正面與背面示意圖





1. 液晶顯示面板
2. 選擇鍵 (UP/DOWN)
3. 取消鍵 (ESC)
4. 確認鍵 (Enter)
5. 靜音按鈕 (MUTE)
6. 電源 / 故障顯示燈
7. 硬碟抽取盒把手
8. 頂出按鍵
9. 硬碟抽取盒鎖
10. 硬碟讀寫燈

1. 風扇
2. 風扇連接埠
3. RS232 連接埠
4. SATA 7Pin 資料連接埠 (獨立硬碟)
5. SATA 15Pin 電源輸入埠
6. SATA 7Pin 資料連接埠 (RAID 硬碟)

燈號一覽表 ：

狀態	獨立硬碟指示燈	RAID 硬碟指示燈	電源 / 故障顯示燈	蜂鳴器
無硬碟	N/A	紅燈恆亮	紫燈恆亮	鳴叫
待機	藍燈恆亮	藍燈恆亮	藍燈恆亮	N/A
資料存取	藍燈閃爍	紫燈閃爍	藍燈恆亮	N/A
Rebuilding-Source	藍燈恆亮	藍燈恆亮	藍燈恆亮	N/A
Rebuilding-Target	藍燈恆亮	紅燈閃爍	藍燈恆亮	N/A
風扇故障	藍燈恆亮	藍燈恆亮	紫燈恆亮	鳴叫

2. 環境需求

工作溫度 : 0 ~ 40 ℃ (32 ~ 104 ℉)
儲存溫度 :-10 ~ 70 ℃ (14 ~ 158 ℉)
工作電壓 : 5V DC

3. 硬體需求與注意事項

1. 電腦或伺服器具備 SATA I、SATA II 或 SATA III 介面。
2. 僅適用 2242/2260/2280 M.2 SATA SSD 尺寸。
3. 最上方的獨立硬碟無法與主、次硬碟共同設定 RAID 模式，為功能獨立的硬碟。
4. 強烈建議使用 iR8023 前先設定好 RAID 模式 (預設值是 RAID 1)。
5. 一旦使用模式確認後，使用相同的硬碟進行模式切換將會導致資料遺失．如果需要進行模式變更，請於變更前先進行資料備份。
6. 在新增或變更 RAID 模式後需重新啟動，以確保完成更新為新的 RAID 模式。
7. 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。
8. 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。
9. 硬碟格式化後，iR8023 的總使用儲存容量或許會與硬碟容量加總後的有所不同。
10. 強烈建議除了使用 iR8023 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 iR8023 的資料損毀或遺失，RAIDON 將不負任何的責任。

4. 硬體安裝

請參照以下步驟完成硬體安裝

步驟 1　請使用零件包內附的鑰匙解鎖硬碟抽取盒鎖，將頂出按鍵向右推移。

步驟 2　硬碟抽取盒把手便會彈開，即可取出抽取盒。

步驟 3　抽出 M.2 SATA Bridge 托盤組 , 取下上蓋的 2 顆螺絲。

步驟 4　打開上蓋 , 取出螺絲。

步驟 5　插入 M.2 並鎖上螺絲。

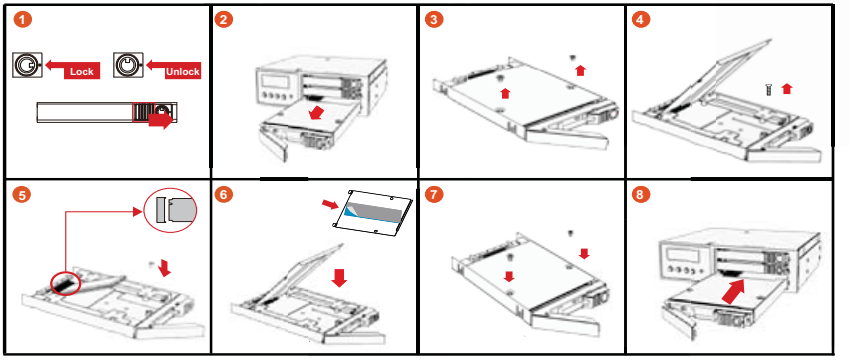
步驟 6　撕下上蓋裡散熱片的離型紙，蓋回上蓋。

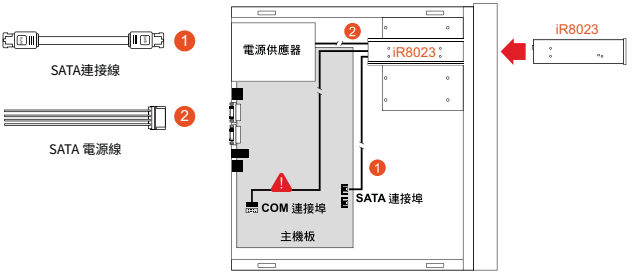
步驟 7　鎖上螺絲。

步驟 8　M.2 安裝完成後請將抽取盒平移放入主機內並關上把手。

步驟 9　將產品安裝於電腦機殼上的 CD-ROM 位置，並使用配件包裡的螺絲固定，並連接 SATA 連接線與 SATA 電源線。

步驟 10　硬體安裝完成。一旦開啟電腦，您的作業系統會自動辨識所裝置好的硬碟。如果您的硬碟是必須被格式化的，請依照電腦的作業系統進行硬碟格式化步驟。當完成硬碟格式化後，硬碟便可以進行資料讀寫。





內接主機殼示意圖

※ Note :

1. RS232 埠與 RS232 線：提供工控系統或是工業電腦透過 RS232 監控硬碟狀態。
2. 我們不建議使用者在未經授權的情況下自行拆卸系統。如未經授權自行拆卸所導致的損毀將不在保固之列 。
3. 為了防止系統發生問題，請確保系統的電源供應是穩定且獨立的。
4. 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，如有需要可向銳銨銷售 / 客服人員 supporting@raidon.com.tw 索取相關資料。

5. 設定 RAID 層級

將兩顆硬碟放入後，開機時按▲鍵即可進入 RAID 的切換畫面。（出廠預設值為 RAID 1，若使用 RAID 1 則不須更動。）

1.RAID 1 模式

1). 將兩顆新的硬碟放入 iR8023 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，iR8023 將會以小容量的硬碟為依據。

2). 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

1). 將新的硬碟放入 iR8023 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，iR8023 將會以小容量的硬碟為依據。

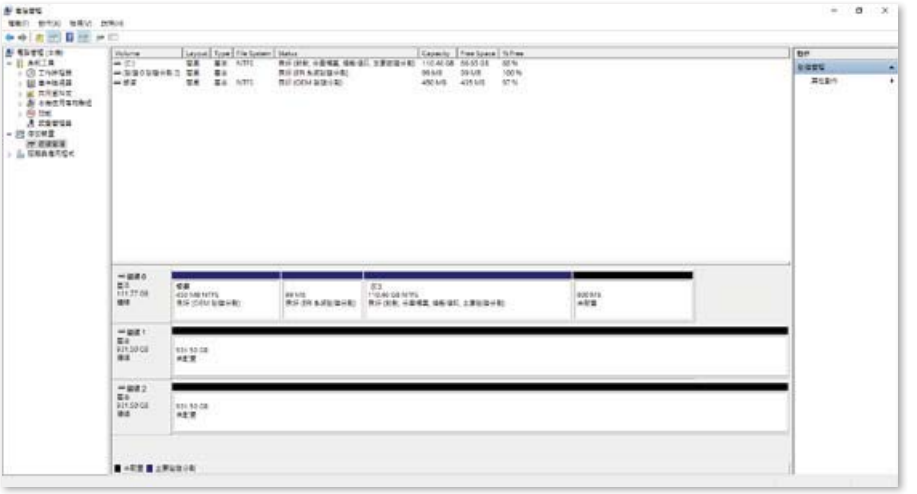
2). RAID 0 模式下，兩顆硬碟的容量會被加總成一個大儲存容量，並且提供更佳的存取效能。

6. 電腦設定

當 iR8023 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，iR8023 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：

1. 安裝在 iR8023 中的硬碟能夠被 Windows 的裝置管理員偵測到。
2. 使用 iR8023 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般的使用 iR8023。如果使用上仍有問題，請參閱附件的 Q&A。

7. 訊息顯示

1. 開機與正常待機狀態

RAIDON RAIDbox2 RAID-1 vxxxxxx.x	Pri HDD : OK Sec HDD : OK

2. 溫度過高 (≥50° C)

Pri HDD : OK Sec HDD : OK T

3. 風扇故障

Pri HDD : OK F Sec HDD : OK

4. RAID 1 降級，Pri 硬碟損毀而 Sec 硬碟仍然可正常存取

RAID-1 degraded Pri : M Sec : O

5. RAID 1 損毀，Pri 與 Sec 硬碟皆損毀

RAID-1 failure Pri : M Sec : M

6. RAID 1 損毀，Source 碟重複

RAID-1 failure Double Source

7. RAID 0 損毀，Pri 硬碟遺失而 Sec 硬碟仍然正常

RAID-0 failure Pri : M Sec :O

8. 資料重建

Rebuilding Sec → Pri 32%

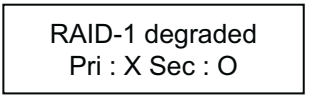
8. 資料重建功能說明

具備硬碟熱抽拔與自動資料重建功能。

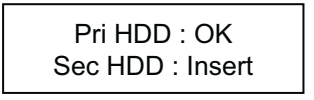
離線備份。當資料儲存在 iR8023 後，使用者可以移除其中一顆硬碟當作資料備份碟，確保相關資料例如作業系統檔案、加密文件、較少存取的檔案甚至影音檔案的安全。使用者可以定期的將硬碟放回 iR8023 執行自動資料重建，確保系統不會被病毒攻擊或是減少兩顆硬碟同時損毀的風險。

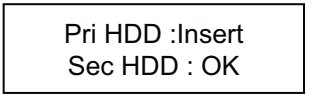
當 iR8023 中的其中一顆硬碟損毀，系統會透過 LCD 顯示幕與監控軟體發出警示。使用者可以在系統仍在運作下，無需關掉機機器即可將損毀的硬碟取出。一但替換損毀硬碟後，iR8023 即會在不影響系統運作的情況下自動開始進行資料重建，使用者也無需對 iR8023 下任何指令。

當 iR8023 偵測到硬碟遺失或是損毀，蜂鳴器會啟動，LCD 螢幕會顯示以下訊息 :

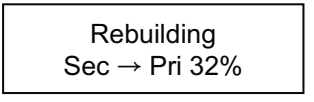


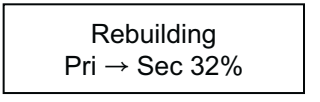
當移除損毀的硬碟並替換一顆新硬碟後，如果新硬碟有正確安裝，LCD 螢幕會顯示以下訊息 :



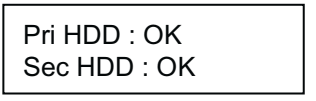


安裝新硬碟後幾秒鐘，LCD 螢幕會顯示資料重建的進度 :





當資料重建完成後，LCD 螢幕會顯示以下訊息 :

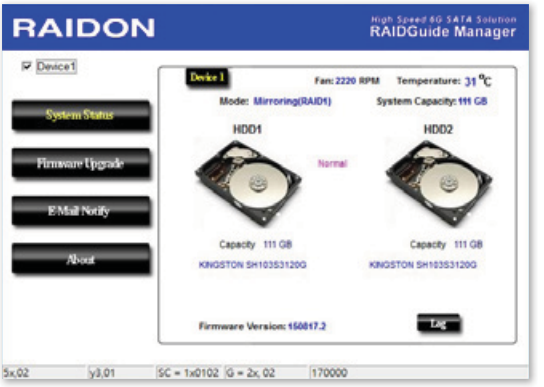


9. GUI 功能說明與韌體更新

使用者可以從網站下載來安裝 GUI 軟體，藉此監控產品的狀態。

1. 系統狀態

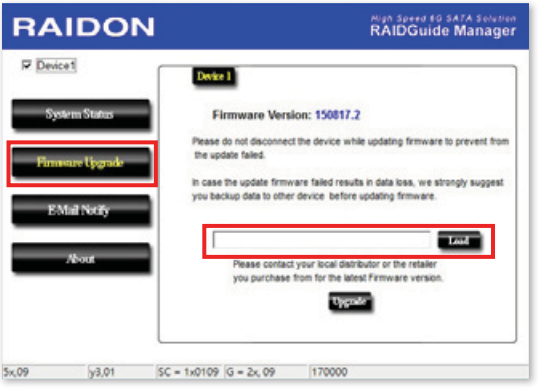
GUI 會自動偵測 iR8023 並且顯示相關資訊 .



2. 韌體升級

使用者可以透過此 GUI 進行韌體升級。只需簡單的點選〝Load〞指定韌體檔案位置後即可進行升級。升級過程或許需要重新啟動系統來完成整個升級程序。

※ 注意：任意更新韌體有可能導致系統運作不正常。強烈建議如果系統運作正常情況下不要進行韌體升級。



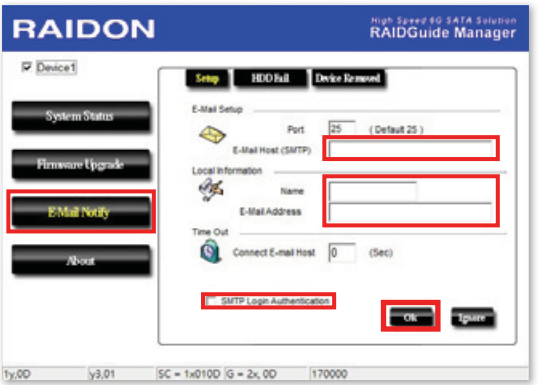
3. E-Mail 通知

設定 e-mail 帳號來收取系統問題或被移除通知。

3-1 設定

1). 填入 e-mail 相關名稱與完整位置，以及 SMTP 的相關資訊。
2). 如果需要密碼，請勾選” SMTP Login Authentication” 並輸入密碼 。
3). 相關資訊填寫完成後，點選 “OK” 。

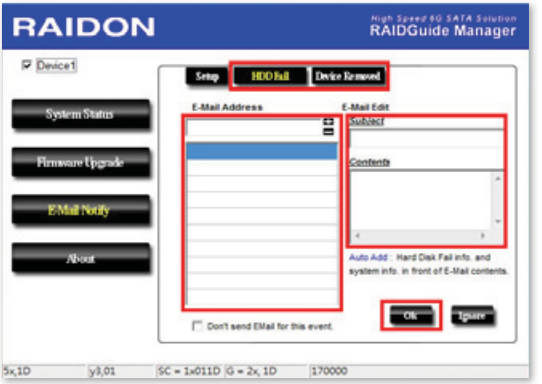
※ 設定過程中，系統必須維持在正常運作狀態。



3-2 硬碟損毀 / 裝置被移除

1). 在 E-Mail Address 欄位填入要收取通知的 e-mail，點選 “+” 即可增加另一組。(最多可填入 10 組 e-mail)
2). 在 “Subject” 與 “Contents” 填入 e-mail 訊息的主旨與內容。
3). 相關資訊填寫完成後，點選 “OK” 。

※ 設定過程中，系統必須維持在正常運作狀態。



4. 關於 GUI 軟體版本

10. 常見問題

連接 iR8023 後系統不穩定

Q1. 安裝完 iR8023 後，電腦無法開機或是電腦認不到 iR8023。

A: 1. 請確認 iR8023 上的 LCD 螢幕顯示正常。
2. 請確認 SATA 線有正確的跟電腦連接且硬碟是可正常運作。
3. 如果一切正常但使用者還是無法正常開機，這有可能是因為硬體上的相容性問題。如果是硬體上相容性問題，請連繫我們的客服部門。

Q2. 使用時，電腦運作正常但是 iR8023 的存取效能不正常。

A: 請確認 iR8023 是否正在資料重建。
1. 請確認所使用的連接線長度，是否所使用的 SATA 線太長以及是否合乎標準規範。
2. 如果線材的長度與規格都沒問題，請關閉 iR8023 並取出其中的硬碟。直接接硬碟連接到電腦並進行檢測，有可能是硬碟中的壞軌導致。

硬碟損毀

Q1. RAID 1 模式下，如果放入一顆新的硬碟，系統的總容量會是？

A: 1. iR8023 的總容量是依據一開始安裝的主硬碟容量而定。
2. 安裝完成後，即使更換一顆較大容量的硬碟，儲存容量也不會增加。

Q2. 為何當我安裝第二顆硬碟時出現錯誤訊息？

A: 第二顆硬碟的容量必須大於第一顆硬碟，否則 iR8023 不會進行資料重建。

關於資料自動重建功能

Q1. 如果當 iR8023 在資料重建時關掉電腦電源，會不會怎樣？

A: 在 RAID 1 模式下資料重建過程中關閉電源，控制器會自動記憶已完成的百分比，當再度開啟電源後，重建過程會從斷電前的百分比繼續。

Q2. 資料重建過程中是否有可能會遺失資料？

A: 資料重建功能是 Sector to Sector 的拷貝方式。技術上來說，資料並不會在資料重建過程中遺失。但是，如果資料重建過程中，原本的硬碟 (Source) 被偵測到壞軌，iR8023 將會採用模擬方式而不會因此壞軌認為硬碟損毀。因此，這種情況下儲存在壞軌的資料就有可能會遺失。

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www.raidon.com.tw