

Raidon iR2975 2-Bay 2.5-Inch HDD/SSD Internal SATA RAID Storage that Fits into 3.5-Inch HDD

Featuring full metal construction design, and 4 mode options RAID-1, RAID-0, JBOD, and SPAN (BIG)

[Raidon Technology Inc.](#) launches [iR2975](#), an internal RAID compact storage solution designed to match the size of a 3.5-inch HDD, featuring a metal construction design.



This enclosure provides protection and durability for user valuable data. The metal construction ensures heat dissipation, preventing overheating and maintaining performance even during intensive usage. With its sturdy build, the iR2975 offers reliable storage in a compact form factor, making it for both professional and personal use. Upgrade to the iR2975 and experience the combination of versatile storage, RAID functionality, and a metal construction design, ensuring your data remains safe and secure.

Flexible storage options



The iR2975 offers flexible storage options, supporting both SSDs and HDDs. This flexibility allows users to choose the storage medium that best fits their needs, whether it's the speed and durability of an SSD or the cost-effective capacity of a traditional HDD. With the iR2975, you have the freedom to customize storage solution to meet specific requirements and preferences.

Featuring 4 mode options: RAID-1, RAID-0, JBOD, and SPAN (BIG)

Click to enlarge



Featuring 4 RAID modes (RAID-1, RAID-0, JBOD, and SPAN (BIG)), the iR2975 enables users to choose the suitable mode based on their specific system needs. For those focused on security and redundancy of their OS, RAID-1 mode with a high-speed SSD hard drive is advisable. On the other hand, if user is seeking enhanced storage performance and capacity expansion, RAID-0 or SPAN mode can be utilized to boost gaming system's performance.

Supports both H/W RAID mode and GUI mode



The iR2975 offers 2 different ways to set up RAID configuration. User can use H/W RAID mode if user want to customize configuration or use the GUI RAID mode with the RAIDGuard Manager monitoring program to set up different RAID modes. The program provides detailed information about the status of the RAID modules and HDDs, which makes it easy to manage and monitor your system.

[RAIDGuard Manager monitoring program screenshot](#)
Click to enlarge



LED indicator

The iR2975 is equipped with LED indicators that provide a visual representation of drive status. These indicators allow users to monitor the activity and health of their drives. Whether it's indicating drive activity, data transfer, or alerting about potential issues, they offer a way to track the status of drives. User can stay informed and identify any drive-related issues, ensuring efficient operation and timely maintenance.

Compact size

The iR2975 boasts a compact size. Its design allows it to fit into a 3.5-inch HDD or floppy bay. Despite its small form factor, it offers storage capabilities. The compact size ensures efficient use of space, making it for systems with limited physical dimensions. With its compact size, the iR2975 provides a space-saving solution without compromising on performance or functionality.

Hot-swappable and plug-and-play

It features hot-swappable and plug-and-play functionality. This means that drives can be replaced without the need to shut down the system. With hot-swappability, users can remove and insert drives while the system is running, minimizing downtime and ensuring maintenance. The plug-and-play capability allows for installation and configuration of new drives, eliminating the need for complex setup processes. The iR2975's hot-swappable and plug-and-play features provide convenience and flexibility, making it simple to upgrade or replace drives as needed.



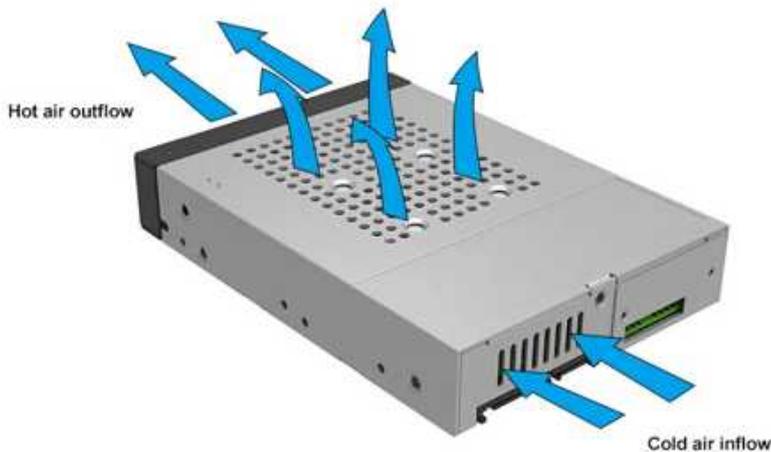
Metal drive tray with key lock

Keep valuable data safe with the metal drive tray featuring KeyLock protection. This tray is designed to securely hold HDDs or SSDs and is compatible with other Raidon's products. The KeyLock feature allows user to lock the tray with a key, preventing unauthorized access. Enhance storage system and enjoy peace of mind with this accessory.

Full metal construction design

The full metal construction design is a robust and durable feature that ensures protection for user storage device. This design provides enhanced durability and heat dissipation, preventing overheating and maintaining performance. Upgrade to the full metal construction design for reliable and long-lasting storage for both personal and professional use.

Fan-Less cooling



The iR2975 incorporates a fan-less cooling design, which offers several advantages. Without the need for fans, it operates silently, minimizing noise pollution in the environment. Additionally, the fan-less cooling design eliminates the risk of fan failure, ensuring consistent and reliable cooling performance. The absence of fans also reduces power consumption and maintenance requirements. The system's fan-less cooling design provides efficient heat dissipation for performance, reliability, and a quieter operating experience.

Features:

- Versatile storage options with compatibility for SSDs and HDDs.
- Intensive multiple RAID modes support: Provides RAID configuration options, including RAID-1, RAID-0, JBOD, and SPAN.
- RAIDGuard GUI software: Includes proprietary software (**compatible with Windows only**) for enhanced data protection and storage monitoring.
- LED indicators for monitoring drive status.
- Hot-swappable and plug-and-play for convenient drive replacement.
- Compact size: Fit for 3.5-Inch HDD or floppy bay.
- Heat dissipation with fan-less cooling hole designs.
- Metal drive tray with KeyLock protection.
- Metal construction design.

Benefits:

- Flexible storage options: Supports both SSD and HDDs.
- Featuring 4 RAID modes (RAID-1, RAID-0, JBOD, and SPAN (BIG)). This gives user the flexibility to choose the storage solution that best meets user needs.
- Supports both H/W RAID mode and GUI mode (for Windows only).
- LED indicators that show the status of user drives. This makes it easy to track the health of drives.
- Hot-swappable and plug-and-play: the system is hot-swappable and plug-and-play, which means that user can replace drives without having to power down system.
- Compact size: Metal compact device that fits into a 3.5-inch HDD or floppy bay. This makes it easy to install and use.
- Fan-less cooling: The system features fan-less cooling hole designs for heat dissipation. This helps to keep user drives cool and operating at peak performance.
- Versatility: it can be installed in servers, IPCs, or workstations. This makes it a versatile solution for a variety of environments.

Full metal construction design has various applications in different industries, including:

- **Data centers:** The sturdy metal construction provides protection for servers and storage systems in data centers, ensuring reliable and secure storage.

- **Manufacturing:** In the manufacturing industry, the full metal design can be used for ruggedized storage solutions, protecting critical data and files in harsh environments.
- **Oil and gas:** The robust construction of the storage devices with metal design makes them suitable for use in oil and gas exploration and production, where durability and resistance to extreme conditions are needed.
- **Aerospace:** The aerospace industry requires reliable and durable storage solutions for critical storage, making the full metal construction design ideal for aerospace applications.
- **Military and defense:** Military operations demand secure and ruggedized storage solutions. The full metal construction design provides durability and protection vs. physical damage and unauthorized access.
- **Financial institutions:** Banks and financial institutions handle vast amounts of sensitive data. The metal construction design ensures the security and integrity of financial records and customer information.
- **M&E:** In the M&E industry, where large amounts of data are processed and stored, the metal construction design provides a reliable and resilient solution for content creators and media companies.
- **Telecom:** Telecom companies require robust storage solutions to handle the increasing amount of data generated. The metal construction design ensures the safety and accessibility of critical data in telecom infrastructure.

These are a few examples of the possible applications for the full metal construction design in various industries. Its durability, protection, and reliability make it a valuable asset for organizations across different sectors.



- A. HDD/SSD Tray & Tray Handle
- B. Tray Key Lock & Push Open Button
- C. HDD/SSD Access LED
- D. Mute Button



- E. 15-pin Power Connectors
- F. SATA Port
- G. RAID Switch
- H. H/W RAID Mode & GUI Mode Switch

Specification

Model no.	iR2975
RAID Chip	ASMedia 1092R
Interface	SATA III (6 Gbps)
Support Hard Drive	2 × 2.5" SATA III 6.0Gb/s HDD/SSD (9.5mm)
RAID Level	Hardware RAID Mode Support RAID 1/RAID 0/SPAN (BIG)/JBOD GUI RAID Mode Support RAID 1/RAID 0/SPAN (BIG) * Optional rear panel H/W RAID mode to adjust settings.
Power Supply	SATA 15pin (12v/5v)
LED Indicators	Yes
Operating System	Windows, Linux
Function Control Interface	GUI (Windows Only) GUI RAID Mode Support RAID 1/RAID 0/SPAN (BIG) * RAID modes can be set through the GUI monitoring program
Certification	CE & FCC
Dimension	102(W)×26(H)×147(L) mm
Operating temperature	32° to 104° F (0° to 40° C)
Storage temperature	-4° to 116° F (-20° to 47° C)
Relative humidity	5% to 95% noncondensing
Packing Content	Quick Installation Guide, Accessory Kit