Raidon iR2320 Dual 2.5-Inch SSD RAID Storage Complemented by JBOD In-Line SSD Extractor

At dimensions of CD-ROM drive, with RAID-1 for redundancy, RAID-0 for performance, and SPAN for combined storage

Raidon Technology, Inc. announces the iR2320, mirrors the dimensions of a CD-ROM drive and houses a dual 2.5″ SSD RAID storage, complemented by a JBOD In-line SSD Extractor.

Equipped with a range of RAID configurations and an integrated SSD Extractor, this unit represents a paradigm shift in design, as it snugly fits within the dimensions of a single CD-ROM bay. This form factor strikes a balance between space-efficiency and performance, underscoring the company's commitment to delivering cutting-edge and space-savvy storage solutions..

iR2320 is distinguished by its design features such as:

- **Compatible and adaptable:** It supports 2.5″ SATA hard disks or SSDs, demonstrating its adaptability and readiness to handle diverse storage needs.
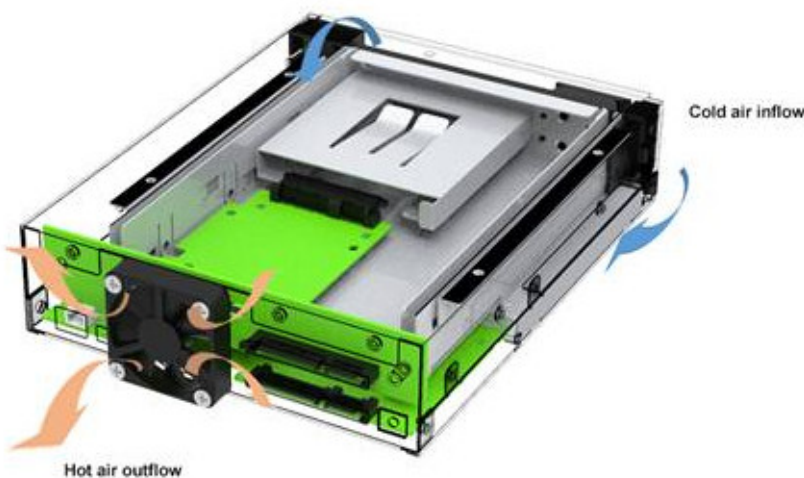

- **Enhanced RAID capabilities:** It features a suite of advanced RAID functionalities: RAID-1 for data redundancy, RAID-0 for enhanced performance, and SPAN for combined storage. These options provide users with flexible control over their data strategy, allowing them to tailor the balance between redundancy, performance, and capacity to their unique needs.
- **Integrated JBOD in-line SSD hot-swappable extractor:** This feature enables independent drive management and supports SSD hot-swapping, ensuring seamless operation and enhanced data flexibility during drive replacements or upgrades.

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- **STATUSGUARD GUI software:** It includes the company's STATUSGUARD GUI software for Windows, offering an intuitive interface for simplified storage management and a user experience.
- **Hot-swappable and plug-and-play:** It features hot-swappable and plug-and-play capabilities for efficient drive replacement or upgrades, facilitating uninterrupted system performance and minimal workflow disruption.
- **Advanced drive security:** With a built-in key lock feature, it adds an additional layer of security, effectively preventing unauthorized access and ensuring the protection of your valuable data.

Cold air inflow

Hot air outflow

- **Heat management:** It features an efficient, silent fan for heat dissipation, promoting consistent performance and longevity, even under high-demand scenarios.
- **Drive monitoring system:** Equipped with an LED light indicator, it provides real-time operational monitoring, enabling you to promptly identify and address any potential issues.
- **Easy RAID mode selection:** Easy access RAID mode switch located on the front panel allows for RAID configuration changes, ensuring optimal storage management.
- **Durable metal construction:** With robust metal construction, it ensures optimal operation, efficient heat management, and sturdy protection against physical impacts, making it a durable and reliable storage solution.

The iR2320, with its versatile features and robust construction, can find application in variety of

RAID for Data Security

(1) 2.5" HDD/SSD for Operation System + RAID for Data Safety

scenarios:

- **SMBs**: For businesses with growing data storage needs, it offers a compact solution for data backup and redundancy.
- **Workstation users**: Professionals in data-intensive fields like graphic design, video editing, or 3D modeling could benefit from the speed and reliability of the iR2320's RAID configurations.
- **IT infrastructure**: It can serve as a key component in servers, data centers, and other IT environments that require HA and data integrity.
- **Educational institutes and research facilities**: The device can be used for storing and managing large amounts of research data, providing both speed and redundancy.
- **Home use**: Tech-savvy home users or home office setups would find the iR2320 useful for managing personal data, media libraries, or as a part of a home server.
- **CCTV and surveillance systems**: The device's large storage capacity and RAID functionalities make it it for use in CCTV and other surveillance systems that require constant data recording and backup.
- **Healthcare facilities**: Medical institutions with the need to store large volumes of patient data, including imaging data like MRIs and CT scans, could make use of the iR2320.
- **Audio/Video production houses**: The device could be used to store large files, edit videos in real time, and ensure that no data is lost in the event of a drive failure.

(2) RAID for Operation System + Additional HDD/SSD for Data Offsite Backup

Features:

- Integrated JBOD In-line SSD Hot-swappable Extractor
- Form factor equivalent to a CD-ROM drive
- Supports 2.5" SATA hard disks or SSDs
- Supports RAID modes for RAID-1, RAID-0, JBOD and SPAN
- Extensive storage configuration with Independent JBOD in-line SSD extractor
- Comes with firm's STATUSGUARD GUI software (for Windows only).
- Hot-swappable and plug-and-play for easy replacement of drives.

- Key clock feature to secure drives.
- Efficient heat dissipation with silent fan
- Drives monitoring with LED light indicator
- Easy access RAID mode switch on front panel
- Durable metal construction

A. Mute Switch
B. HDD status indicator LED
C. Key Lock
D. HDD tray

E. HDD Access LED
F. RAID status indicator LED
G. RAID Switch

H. FAN Port
I. 7+15 Pin SATA Connector x 2
J. Cooling Fan

Specs:

Model No	iR2320
RAID chip	JMS562
Interfaces	2xSATA-3 (6Gb) ports
Compatible drives	1. 1×3.5″Tray>>For 1×2.5″ SATAHDD/SSD 2. 2×2.5″Tray>>For2 x2.5″ SATAHDD/SSD
Storage level	RAID-0/1/JBOD/Big+Independent volume (2.5″SATAHDD/SSD)
System monitoring	Fan failure/Overheat
OS	Windows,Linux
Function control interface	Added RAID mode adjustment settings on the front panel
Cooling system	4cm low noise fan
Electrical and operating requirements	* Linevoltage:12V+5VDC * Operating temperature: 32°to104°F(0°to40°C) * Storage temperature: -4°to116°F(-20°to47°C) * Relative humidity: 5%to95%non-condensing
Dimension and weight	146(W)x42(H)x198(L)mm
Product code	iR2320 EAN: UPC:
Carton	10pcs/carton
Package accessories	* iR2320 * SATA Cablex2 * Accessory Kit-forTray * Accessory Kit-forCase * Quick installation guide