

Raidon iR8300 Internal RAID Storage for 1×2.5/3.5-Inch SATA HDD/SSD and 2×M.2 SATA SSD

Supports RAID-1/0, JBOD and SPAN.

[Raidon Technology, Inc.](#) launched the [iR8300 internal RAID](#) storage solution with a form factor equivalent to a CD-ROM drive, presents an approach to storage by supporting a RAID-1 configuration involving 2×M.2 SATA SSDs.



The iR8300 houses an independent 3.5-inch bay suitable for either 3.5-inch or 2.5-inch SATA HDD or SSD, which serves as a dedicated space for data backup.



It enables users to adjust the RAID settings through the front panel, simplifying the configuration process. With the front panel switch, users can effortlessly choose from four modes – RAID-1/0, JBOD, or SPAN (BIG) – depending on their application needs. It also can be utilized alongside the company’s StatusGuard Manager monitoring software within the Windows OS, this visually appealing GUI enables users to promptly grasp the condition of RAID modules and hard drives, as well as manage and monitor the performance of the iR8300.

[StatusGuard Manager monitoring software within Windows OS](#)

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The iR8300's hard disk tray design allows for locking of HDDs or SSDs, providing users with the convenience of hot-swapping drives when the system is powered on, making disk or SSD replacement a breeze. Besides, each iR8300 hard disk tray is equipped with a key lock design that securely fastens the entire tray to the device according to actual usage requirements, preventing it from being removed and improving data security. Also, the i8300's 2.5-inch HDD tray includes an M.2 SATA converter, making it convenient for users to install M.2 SATA SSDs. If the need arises to use a 2.5-inch SATA HDD or SSD, simply remove the M.2 SATA converter after unloading, and then you can install a standard 2.5-inch SATA hard disk or SSD (with a height of up to 9.5mm).

RAID for Data Security



- (1) 3.5" - 2.5" HDD/SSD for Operation System + M.2 SATA SSD RAID for Data Safety

Data On The Move



- (2) M.2 SATA SSD RAID for Operation System + Additional HDD/SSD for Data Offsite Backup

JBOD Software RAID



- (3) 3.5" - 2.5" HDD/SSD JBOD for Data + M.2 SATA SSD Software RAID

The iR8300 is equipped with a 4cm silent fan that delivers continuous airflow, dissipating the heat produced by the M.2 SSD and HDD. Also, it features a separate LED display for each M.2 SSD or HDD, presenting data access status or

the condition of the M.2 SSD or HDD concisely. This allows users to stay informed about the overall status of the iR8300 at any time.

In the summary, the iR8300 is a flexible and reliable solution for optimizing data storage and backup processes, and it is for diverse storage configurations and adapts to various needs. It can be integrated into servers, workstations, or industrial computers.

Features

- Form factor equivalent to a CD-ROM drive
- Supports 2xM.2 SATA SSD and 1x3.5”HDD or SSD
- Supports RAID modes for RAID-1/0, JBOD and SPAN
- Extensive storage configuration with Independent stand alone 3.5” drive bay
- Comes with the 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.
- Heat dissipation with silent fan
- Drives monitoring with LED light indicator
- Easy access RAID mode switch on front panel

iR8300 front and rear



Model no.	iR8300
RAID Chip	JMS562
Interface	2 x SATA III (6Gbps) Ports
Support Hard Drive	1. 1 x 3.5" Tray >> For 1 x 3.5"/2.5" SATA HDD/SSD 2. 2 x 2.5" Tray >> For 2 x M.2 SATA SSD
RAID Level	RAID 0/1/JBOD/Big + Independent volume(3.5"/2.5" SATA HDD/SSD)
LED Indicators	Yes
Operating System	Windows, Linux
Function Control Interface	*GUI (Windows Only) *Added RAID mode adjustment settings on the front panel
Cooling System	4 cm Low noise fan
Certification	CE & FCC
Electrical and Operating Requirements	* Line voltage: 12V + 5V DC * 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% non-condensing
Dimension	146(W)x 42(H) x 198(L) mm
Carton	10 pcs per carton
Packing Content	*iR8300 *Quick Installation Guide *Accessory Kit