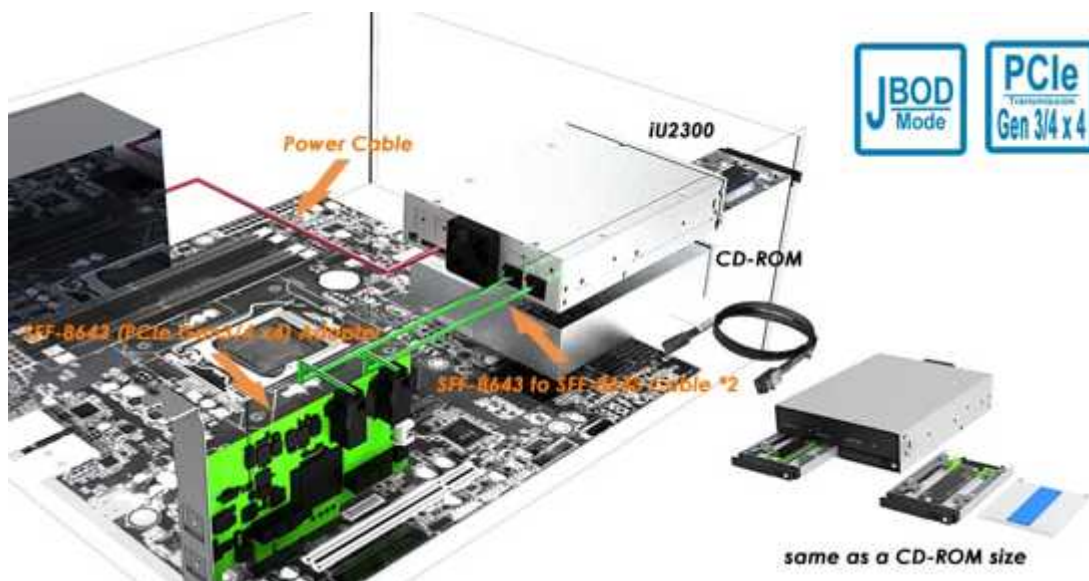Raidon iU2300-U6P3 Internal RAID for 2xM.2 NVMe or U.2 SSDs in CD-ROM Drive Enclosure

Features mini SAS (SFF-8643) connector compatible with both PCIe Gen 3 and Gen 4 interfaces.

Raidon Technology Inc. launches the iU2300-U6P3 internal RAID storage device that boasts a design similar to that of a standard CD-ROM drive.

It is capable of supporting 2xM.2 NVMe SSDs of all sizes (2280/2260/2242). The iU2300-U6P3 features high-speed mini SAS (SFF-8643) connector compatible with both PCIe Gen 3 and Gen 4 interfaces and provides versatile application options with its support for JBOD Mode. It also offers compatibility with both U.2 SSD drive and firm's 9.5mm UBOX mini disk tray specifically for M.2 NVMe SSDs.

same as a CD-ROM size

The company is also launching a range of PC cards designed to complement the iU2300-U6P3 for user specific needs.

A key highlight of the IU2300-U6P3 is its support for JBOD mode. This feature extends the device's application flexibility, allowing you to utilize user storage in ways that best suit users' needs. The IU2300-U6P3 compact as a traditional CD-ROM drive and is built to support 2xM.2 NVMe SSDs, accommodating a variety of sizes, including NGFF (Next Generation Form Factor) 2280 (80mm), 2260 (60mm), and 2242 (42mm). Connectivity is with the IU2300-U6P3's mini SAS (SFF-8643) connectors, ready to link up with PCIe Gen 3 or Gen 4 interfaces. This storage enclosure also supports U.2 SSDs and company's distinct 9.5mm UBOX mini disk tray for M.2 NVMe SSDs. The M.2 NVMe SSDs can be securely fastened using mounting screws for a stable setup.

The construction of IU2300-U6P3 incorporates a metal tray design, which ensures durability and also offers heightened security via its key lock tray design. The IU2300-U6P3 is equipped with a vivid and legible LED display for each M.2 NVMe SSD.

This intuitive feature keeps users updated on the device's overall status, facilitating easier operation and maintenance at all times. It also equipped with dual silent fans and prioritizes the longevity of storage. This feature, combined with a heat-dissipating metal shell design, optimizes the device's cooling capabilities. These measures are designed to extend the lifecycle of user' M.2 NVMe SSDs and ensure they perform at peak levels.

The iU2300-U6P3's disk tray includes an UBOX mini, making it convenient for users to install M.2 NVMe SSDs. If the need arises to use a 2.5-inch U.2 SSD drive, simply remove the UBOX mini after unloading, and then you can install a standard 2.5-inch U.2 SSD drive (with a height of up to 9.5mm).

In conclusion, the IU2300-U6P3 encapsulates the essence of a next-gen storage device. It blends aesthetic design with functionality, versatility, and robust security. Its detailed attention to thermal management ensures user storage devices perform optimally and last longer. Regardless of user storage needs, it is poised to exceed user expectations.

IU2300-U6P3 versatile storage expansion device designed for M.2 NVMe SSDs and U.2 SSDs, providing range of potential applications:

- **Data center usage**: With support for high-speed SAS connectors and both PCIe Gen 3 and Gen 4 interfaces, this device could be utilized in data center environments to expand storage capabilities and boost overall performance.
- **Workstations and high-performance PCs**: Given its ability to accommodate NVMe SSDs, the IU2300-U6P3 could be installed in workstations and HPCs to increase the storage capacity and speed, particularly for tasks requiring high-speed data access like video editing, 3D rendering, ML and data analysis.
- **Gaming**: For serious gamers who demand fast load times and high-resolution graphics, this device would offer an upgrade in storage speed and capacity.
- **JBOD systems**: This device supports JBOD mode, meaning it can be used to create a large pool of storage from several drives. This would be useful in scenarios where maximizing storage capacity is more important than data protection, such as non-critical backup or media storage.
- **Secure storage**: The key lock tray design offers enhanced security, making this device suitable for storing sensitive data in a secure manner.

- **Heat management applications**: The dual silent fans and metal shell design aid in heat dissipation, making this device suitable for applications that require prolonged periods of high-intensity data access without overheating, such as long computational tasks or server use.
- **Plug-and-Play use**: With its easy-to-install disk trays, this device could be useful for those who frequently need to swap drives or expand storage on a regular basis.
- **Hardware testing**: The variety of drives it supports and its plug-and-play functionality make this device useful for IT professionals and hardware testers who need to work with a range of storage devices.
- **Compatibility testing**: It can be used to test compatibility of different SSDs with various systems given its support for both M.2 NVMe and U.2 SSDs.

Features :

- Boasts a design similar to that of a standard CD-ROM drive.
- Capable of supporting 2 NGFF (Next Generation Form Factor) M.2 NVMe SSDs of all sizes (2280/2260/2242).
- Features a high-speed mini SAS (SFF-8643) connector compatible with both PCIe Gen 3 and Gen 4 interfaces.
- Provides versatile application options with its support for JBOD Mode.
- Includes 2 disk trays for plug-and-play functionality.
- Metal tray design of the IU2300-U6P3 simplifies plug-and-play operations.
- Enhanced security is assured with the key lock tray design to protect disks.

- Fitted with dual silent fans for superior heat management, ensuring prolonged life for M.2 NVMe SSDs.
- Metal shell design aids in heat dissipation, further extending the life of M.2 NVMe SSDs.
- Offers compatibility with both U.2 SSD and 9.5mm UBOX mini disk tray specifically for M.2 NVMe SSDs.
- Assures secure placement of M.2 NVMe SSD or U.2 SSD through mounting screws.
- Ultra-soft thermal silicone pad in the UBOX mini provides efficient heat dispersion for M.2 NVMe SSDs.

Specs:

Model No	iU2300-U6P3
Interfaces	2 x SFF-8643 (PCIe Gen3/4 x4)
Compatible Drive	2 x M.2 NVMe SSD (2242/2260/2280) 2 x U.2 SSD (height 9.5mm) Tray with lock
Storage Mode	JBOD
System Monitoring	LED hard drive indicators / Fan Failure / Overheat
Operating System	Windows, Linux
Cooling System	4 cm Low noise fan
Electrical and Operating Requirements	* Line voltage: 12V + 5V DC, SATA 15pin (12V/5V) * 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
Size and Weight	146(W)x 42(H) x 198(L) mm
Product Code	EAN: UPC:
Carton	8 pcs per carton
Package Accessories	* iU2300-U6P3 x 1 (with removable 2 x M.2 NVMe Converter) * Accessory kit * Quick Installation Guide Optional : SFF-8643 to SFF-8643 Cable Optional : SFF-8643 to PCIe Adapter