

Stardom UR2-B32 NVMe SSD Portable RAID Storage USB 3.2 Gen 2x2 Type-C Solution for 2 M.2 NVMe SSDs

Supporting RAID-0, 1, JBOD, and BIG

[Stardom Technology, Inc.](#) introduces the [UR2-B32](#), a NVMe SSD RAID storage solution designed for professionals who demand efficiency and reliability in their data management.

UR2-B32



This device features a Type-C 5V power connector for energy-efficient operation, and offering a range of 4 RAID configurations (RAID-0, 1, JBOD, BIG) to suit various data handling requirements.



The UR2-B32 comes equipped with a pair of USB cables: one is a Type-C to Type-C USB cable, intended for data transfer, and the other is a Type-C to Type-A USB cable, designed for 5V DC power input. Its universal compatibility with USB Type-C and Thunderbolt 3/4 hosts makes it a versatile choice for an array of devices. The UR2-B32 excels in high-speed data transfers, courtesy of its USB3.2 Gen2 cable, enabling speeds up to 20Gb/s. It also boasts a secure, hot-swappable M.2 NVMe SSD tray for drive replacements, an intuitive LED disk status indicator, and a manually adjustable low-noise fan for effective cooling. Crafted with a durable aluminum design, it ensures optimal performance even under heavy workloads. The UR2-B32 is not just a storage device; it's a solution for professionals who need a reliable, fast, and adaptable data storage and management system.

Features:

- **Type-C 5V power connector:** The UR2-B32 is equipped with a DC input, featuring a standard 5V power Type-C connector complete with an On/Off switch, offering convenience and energy efficiency.
- **Dual M.2 NVMe SSD support:** Experience fast data access with support for 2xM.2 NVMe SSDs. Ideal for tasks that demand high-speed data processing
- **4 RAID configuration modes:** Adapt your storage strategy with 4 selectable RAID modes – RAID-0, 1, JBOD, and BIG. Each mode is designed to meet specific requirements, from high-speed data access and redundancy to maximizing storage capacity.
- **Universal compatibility:** Embrace a world of possibilities with support for USB Type-C and Thunderbolt 3/4 (USB-C) hosts. The UR2-B32's compatibility range makes it a versatile option for a variety of devices and users.
- **High-speed connectivity:** Experience efficiency with the included USB3.2 Gen2 cable, enabling data transfer speeds of up to 20Gb/s. This feature ensures your workflow remains uninterrupted and productive.
- **Secure, hot-swappable SSD tray:** The UR2-B32 boasts a secure, hot-swappable M.2 NVMe SSD tray, allowing for quick and safe drive replacements without the need to shut down your system, thus maintaining continuous operation and productivity.
- **LED disk status indicator:** Keep a vigilant eye on your drive's status with the LED disk status indicator, designed for easy monitoring of your system's health and performance.
- **Manually adjustable low-noise fan:** Equipped with a manually adjustable low-noise fan, the UR2-B32 ensures effective cooling while maintaining a quiet work environment, essential for maintaining focus and efficiency.
- **Durable Aluminum design:** The aluminum structure of the UR2-B32 adds to its durability and also excels in efficient heat dissipation, ensuring optimal performance of the drives even under extensive workloads.
- **Cross-platform compatibility:** The UR2-B32 integrates with PC and Mac systems, offering a flexible solution for all users.
- **Easy drive management:** With its plug-and-play functionality, managing your drives is effortless, making it a user-friendly experience even for non-technical users.
- **Efficient cooling system:** The low-noise fan design ensures rapid heat dissipation, which is key to prolonging the lifespan of SSDs and maintaining peak performance.
- **Raidon status guard GUI:** Stay informed with the Raidon status guard GUI (for Windows only). This user-friendly interface allows you to monitor your RAID configuration and system's overall health and performance.
- **Dual USB cable configuration:** The UR2-B32 includes 2 varieties of USB cables; a USB 3.2 cable capable of up to 20Gb/s for speed performance, and a USB C to A cable is utilized as a 5V DC power input. This device features backward compatible with USB 3.0 (5Gb/s), which is activated when the USB C to A cable is connected to traditional devices and the USB C to C cable is served as a 5V DC power input.

The UR2-B32 transcends the traditional boundaries of storage devices, offering a solution that caters to the evolving needs of modern professionals. It's not just about storing data; it's about providing a reliable, efficient, and versatile tool that keeps pace with your professional demands. Embrace the future of storage with the UR2-B32 – where your data's integrity, accessibility, and security are our utmost priority.

Benefits

The UR2-B32, with its array of features, offers a multitude of application benefits across various fields and scenarios:

- **Portable and flexible powering (Type-C 5V power connector):** Ideal for mobile setups like on-site photography, outdoor video editing, or any fieldwork where power sources are limited. The convenience and energy efficiency of the Type-C connector make it for travel and remote work environments.
- **High-speed data processing (Dual M.2 NVMe SSD support):** Beneficial for professionals in video editing, 3D rendering, gaming development, and real-time data analysis, where rapid data access and processing are crucial.
- **Versatile data management (4 RAID configuration modes):** Offers tailored storage solutions for various applications – RAID-0 for high-speed editing and large file handling, RAID-1 for critical data backup, JBOD for individual drive use in day-to-day tasks, and BIG for maximizing storage space in archiving large volumes of data.
- **Wide device compatibility (universal compatibility):** A boon for IT professionals and multi-platform environments (like creative studios using both Macs and PCs), ensuring seamless integration and data sharing across different systems.
- **Uninterrupted workflow (high-speed connectivity):** Essential for time-sensitive tasks in sectors like

finance, where data transfer speed is critical, or in broadcasting, where large video files require quick movement.

- **Operational continuity (secure, hot-swappable SSD tray):** Key for server maintenance, data centers, and critical computing environments where downtime needs to be minimized.
- **Real-time monitoring (Intuitive LED disk status indicator):** Useful in IT infrastructure management and for individual professionals who need to keep a close eye on storage health and performance without extensive technical intervention.
- **Quiet operation (manually adjustable low-noise fan):** Ideal in studio environments, libraries, and academic settings where noise minimization is essential.
- **Durability in demanding conditions (durable Aluminum design):** Perfect for use in harsh working environments or in fieldwork where equipment is exposed to extensive use and heat.
- **Cross-platform flexibility (cross-platform compatibility):** Great for collaborative environments involving various OSs, ensuring smooth workflow across different platforms.
- **User-friendly interface (easy drive management):** Simplifies the user experience for non-technical users in small businesses or creative fields, making drive management hassle-free.
- **Longevity and reliability (efficient cooling system):** Crucial for data centers, long-term archival solutions, and environments where equipment is expected to run 24/7 without overheating.
- **Enhanced Oversight (Raidon Status Guard GUI):** Offers an interface for monitoring RAID configurations, particularly beneficial for IT managers and professionals who need to maintain optimal system performance.

In summary, the UR2-B32 is a versatile and robust storage solution for a range of professional applications, from creative industries and IT management to fieldwork and data-intensive environments, offering efficiency, reliability, and ease of use.

Compatible with MAC OS and windows OS



The UR2-B32 is engineered for broad adaptability, integrating with PC and Mac platforms. This ensures users, irrespective of their OS preference, can access and manage their data without compatibility constraints, simplifying workflows and eliminating the need for multiple storage devices.

Versatile storage solutions

The UR2-B32 accommodates 2xM.2 NVMe SSDs (2242/2260/2280), offers rapid data access and durability, for high-speed tasks. This compatibility grants users the flexibility to optimize their storage based on speed, capacity, or budget.

Hot-swappable drives support



A notable feature of the UR2-B32 is its support for hot-swappable drives. This capability enables users to replace or change the M.2 NVMe SSDs without the need to shut down or reboot the system, thereby maintaining continuous operation. This is particularly beneficial in maintaining productivity and minimizing downtime. Whether you need to upgrade your storage capacity or replace a drive, the hot-swapping functionality of the UR2-B32 allows you to do so efficiently and effortlessly.

Removable M.2 NVMe SSD tray with key lock

The UR2-B32 comes fitted with 2xM.2 NVMe SSD trays that are easy to install and also compatible with any type of M.2 NVMe SSD. It boasts a sturdy aluminum casing that not only safeguards data but also provides heat dissipation.

Dual USB cable configuration: UR2-B32 includes 2 varieties of USB cables



USB 3.2 20Gbps Data Transmission

Alternative Methods for Connecting 5V DC Input



A USB 3.2 cable capable of up to 20Gb/s for fast performance, and a USB C to A cable is utilized as a 5V DC power input. This device features backward compatible with USB 3.0 (5Gb/s), which is activated when the USB C to A cable is connected to traditional devices and the USB C to C cable is served as a 5V DC power input.

Raidon Status Guard GUI (For Windows only):

The Raidon Status Guard GUI is a specialized, Windows-optimized interface for the UR2-B32, enhancing the user experience for Windows users through:

- **Windows integration:** Designed for the Windows OS, ensuring a smooth and intuitive user experience that aligns with the familiar Windows environment.
- **Real-time monitoring and alerts:** Offers a dashboard for monitoring RAID configurations and drive health, with customizable alerts and notifications through the Windows notification system for immediate issue awareness.

In essence, the Raidon Status Guard GUI for Windows simplifies RAID management and system monitoring, making it a tool for Windows users seeking an efficient and user-friendly storage management solution.

4 RAID modes support

Click to enlarge



The UR2-B32 is equipped with 4 RAID modes. Further enhancing its versatility is an integrated RAID mode switch, allowing users to swiftly toggle between RAID-0, RAID-1, JBOD, and BIG configurations. This feature optimizes storage performance and also offers varying levels of data redundancy and management based on user preferences.

Compatible with Thunderbolt 3/4

UR2-B32 is equipped with USB3.2 Gen2 x2 Type-C (20Gb/s). The UR2-B32 employs a gigabit interface and is compatible with host computers that use Type-C and Thunderbolt 3/4 (USB-C). It complies with all USB3.2 Gen1,2/2.0 specifications. Users can utilize the USB3.2 Gen2 Type-C to C cable of the UR2-B32 to link with the USB Type-C or Thunderbolt 3/4 (USB-C) interface of devices like MacBook Pro or iMac Pro, or to connect with a PC or laptop equipped with a USB Type-C interface. This allows for data transfer speeds of up to 20Gb/s.

LED Indicator for disk status display

UR2-B32 provides the LED indicator for disk status display. When data accessing, the LED will flash light on, it allows user to understand the data access status quickly.

Durable aluminum structure design



UR2-B32 is made by the durable aluminum housing and designed with the 3cm silent fan that help for heat dissipation with the long time use.

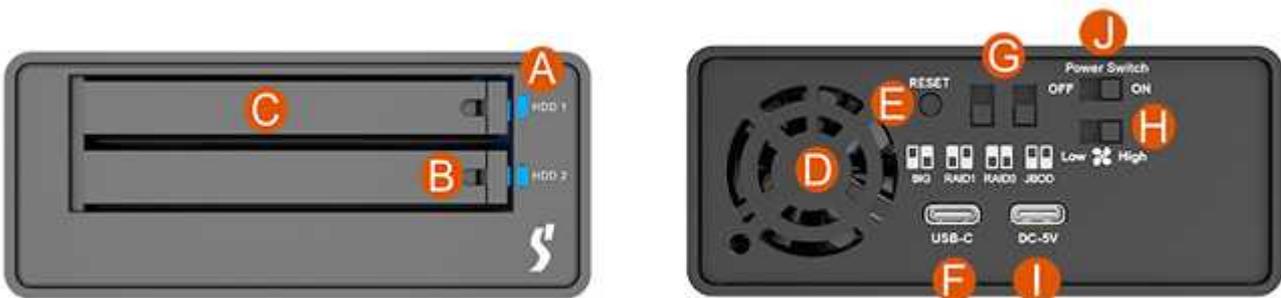
Low noise fan, with manual fan speed control switch



The UR2-B32 have the manual fan adjustment that users can adjust the fan speed to high speed or low speed. User does not need to worry about the fan sound to disturb the work environment, and the device can be still working efficiency.

Applications

The UR2-B32 can be utilized in a variety of general and AI-specific applications.



- A. HDD access light
- B. HDD enclosure pin release
- C. HDD enclosure handle
- D. Fan
- E. RESET hole

- F. USB 3.2 Gen2 Type-C (20Gbps)
- G. RAID switch
- H. Fan speed switch
- I. USB Type-C for Power Input (Power input only), DC 5V
- J. Power Switch

Specification

Model No	UR2-B32
Interfaces	USB 3.2 Gen 2x2 Type-C (up to 20 Gbps)
Compatible Drive	2 x M.2 NVMe SSD (2242/2260/2280)
Certification	CE/FCC
Storage Mode	BIG Mode JBOD - Independent Mode RAID 0 - Speed Mode RAID 1 - Safe Mode
Operating System Support	Windows 7 or above, OS X 10.10 or above, Linux
Cooling System	3 cm Low noise fan
Electrical and Operating Requirements	Requirements * Line voltage: 100-240V AC * Frequency: 50Hz to 60Hz, single phase * 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	Height : 41 mm Width : 97 mm Depth : 165.3 mm
Carton	10 pcs per carton
Package Accessories	* UR2-B32 x 1 (with removable 2 x UBOX mini) * USB 3.2 (Type-C to Type-C) Cable x 1 * USB 3.2 (Type-C to Type-A) Cable x 1 * Accessory kit * Quick Installation Guide