Raidon Technology Introduces UR2-BA32 USB 3.2 Gen 2 Hardware RAID Storage for M.2 NVMe or U.2 SSD
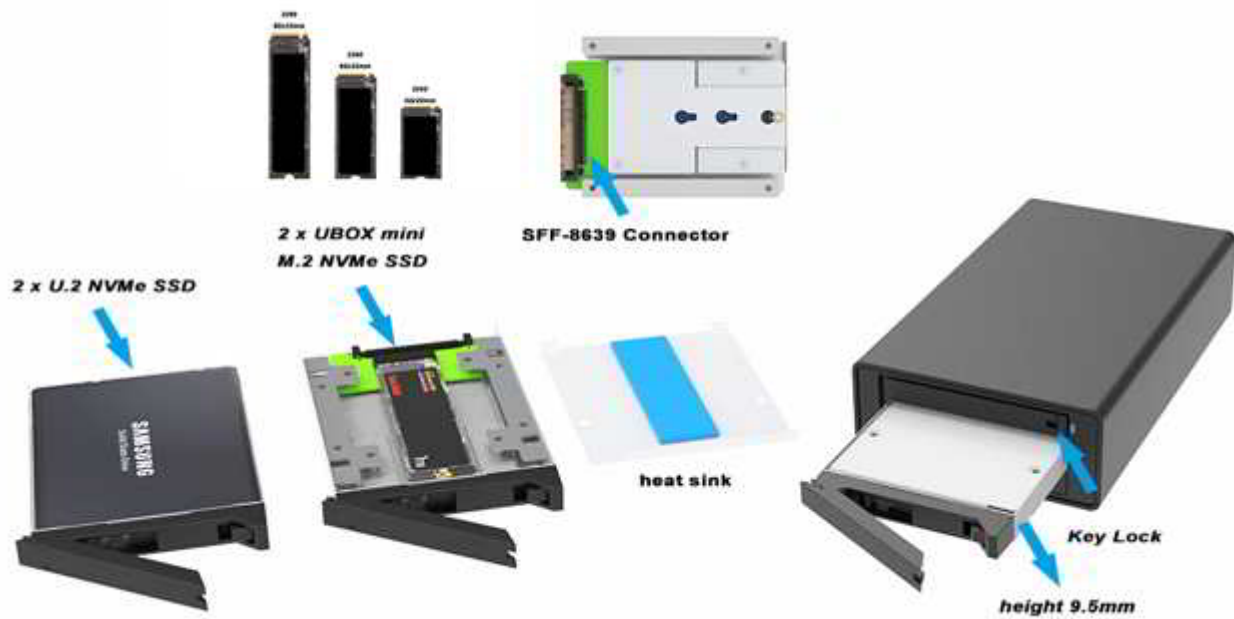
Support for 2 high-speed U.2 SSD drives (9.5mm) or M.2 NVMe SSDs, - RAID-1 for critical data backup, JBOD for individual drive use in day-to-day tasks, and BIG for maximizing storage space in archiving large volumes of data

[Raidon Technology, Inc](). introduces the [UR2-BA32]() is a compact, professional RAID solution supporting **RAID-1, JBOD, and BIG** modes to meet diverse workflow needs.
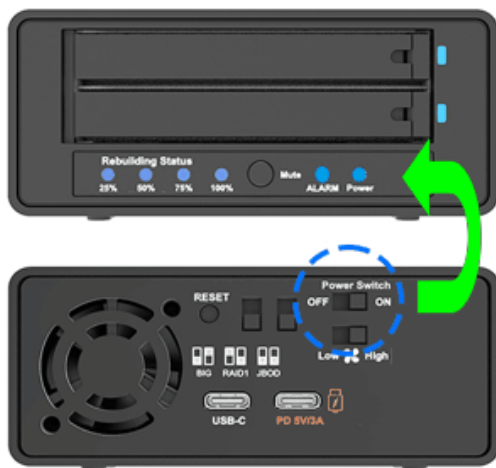

With USB 3.2 Gen 2, it delivers up to 20Gb speeds and supports USB-C, USB-A, and Thunderbolt 3/4. It **includes 2 USB-C cables – 1 for data and 1 for 5V/3A power**. Housed in a durable aluminum chassis, the unit **features hot-swappable M.2 NVMe tray**s, LED indicators and quiet adjustable fan. Overall, the UR2-B32 is a fast, reliable and flexible storage that is built for demanding professionals.

Dual U.2 SSD Drives (9.5mm) or M.2 NVMe SSD Support

2 x U.2 NVMe SSD

2 x UBOX mini
M.2 NVMe SSD

SFF-8639 Connector

heat sink

Key Lock

height 9.5mm

Maximize performance and flexibility with support for 2 high-speed U.2 SSD drives (9.5mm) or M.2 NVMe SSDs.

Smart Auto Power Detection

Smart Auto Power Detection

Automatically detects external power availability to ensure the device only powers on when sufficient power is supplied—protecting your data and hardware.

Intuitive LED Status Indicators and RAIDON Status Guard GUI

LEDs show rebuilds progress at key milestones: 25%, 50%, 75%, and 100%.

Features intuitive indicators and Raidon Status Guard GUI (Graphical User interface) software support to monitor disk health, RAID status and rebuilding status.

Full range of USB and Thunderbolt interfaces support
UR2-BA32 Complies with USB A/C and Thunderbolt 3/4 interfaces with all cables included.

Feature	Description
Power-Efficient USB-C Design	USB-C PD input (5V/3A) with ON/OFF switch for efficient power control; includes 2 USB-C to USB-C cables (data and power).
Smart Auto Power Detection	Automatically powers on only when sufficient external power is available, protecting data and hardware.
Dual U.2 or M.2 NVMe SSD Support	Supports 2xU.2 SSD drives (9.5mm) or M.2 NVMe SSDs, configurable in RAID-1, BIG, or JBOD.
Flexible RAID Modes	Supports RAID-1 (mirroring), JBOD (individual drives), and BIG (spanned volume).
Universal Compatibility	Works with USB-C and Thunderbolt 3/4 hosts for maximum connectivity.
20Gb USB 3.2 Gen 2	Delivers ultra-fast data transfer speeds up to 20Gb
Multiple Cable Options	Includes USB-C to USB-C and USB-C to USB-A cables for versatile host connections.
Hot-Swappable SSD Tray	Tool-free, quick-swap M.2 NVMe trays for easy drive replacement with zero downtime.
LED Status Indicators	Displays drive health, RAID activity, and system status at a glance.
RAID Rebuild Progress LEDs	Shows rebuild progress at 25%, 50%, 75%, and 100% intervals.
Adjustable Low-Noise Fan	Manually controlled fan for effective, quiet thermal management.
Durable Aluminum Housing	Robust, thermally efficient aluminum chassis designed for high-performance use.
Cross-Platform Support	Compatible with both PC and macOS systems.
Advanced Cooling System	Low-noise fan design enhances SSD longevity and consistent performance.
RAIDON Status Guard (Windows) GUI	Windows-only GUI for real-time monitoring of RAID status and system health.

The UR2-BA32 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-BA32 – where your data's integrity, accessibility, and security are our utmost priority.

Benefits
The UR2-BA32, with its array of features, offers a multitude of application benefits across various fields and scenarios:

- **Portable and Reliable Powering:** Features an intelligent Power-ON detection that ensures a safe device startup, activating only when stable power (PD 5V/3A) is supplied to safeguard both the hardware and your stored data.
- **Ultra fast transmission performance:** Beneficial for professionals in video editing, 3D rendering, gaming development, and real-time data analysis, where rapid data access and processing are crucial.
- **Versatile RAID Mode configurations:** Offers tailored storage solutions for various applications – 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.
- **Cross-platform Flexibility:** 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.
- **Secure, Hot-Swappable SSD Tray:** Key for server maintenance, data centers, and critical computing environments where downtime needs to be minimized.
- **Real-Time Monitoring:** Built-in intuitive LED status indicators provide real-time insights into storage health

and performance. Ideal for IT environments and individual professionals, they enable quick system checks without the need for complex technical tools.

- **Quiet and cool Operation:** Ideal in studio environments, libraries, and academic settings where noise minimization is essential.
- **User-Friendly:** Simplifies the user experience for non-technical users in small businesses or creative fields, making drive management hassle-free.
- **Raidon StatusGuard GUI:** Offers an easy-to-use interface for monitoring RAID configurations, particularly beneficial for IT managers and professionals who need to maintain optimal system performance.

In summary, the UR2-BA32 is a versatile and robust storage solution, well-suited for a wide range of professional applications, from creative industries and IT management to fieldwork and data-intensive environments, offering efficiency, reliability, and ease of use.

General Applications

Professional Content Creation: Ideal for video editors, graphic designers, and animators who require high-speed data access and large storage capacities for editing and storing large multimedia files.

- **Data Backup and Security:** With RAID-1 configuration, it's for businesses and individuals who need to back up critical data, offering redundancy to protect against data loss.
- **High-Speed Data Transfer Tasks:** Useful in environments like photography, videography, and scientific research where large files need to be transferred quickly.
- **Gaming and VR Development:** Can be used by game developers and VR content creators for fast data processing and storage of large, resource-intensive game files and VR environments.
- **Server and Network Storage:** In small business environments, it can function as a network-attached storage device for file sharing, backups, and collaborative projects.

Practical Applications:

- **Content Creation:** Ideal for videographers, photographers, and graphic designers who need fast storage solutions for editing and storing large media files. The high-speed data access and multiple RAID configurations support efficient workflow and quick rendering.
- **M&E:** Ideal for agencies, studios, and professional media management requiring reliable and rapid storage.
- **Gaming:** Enhances gaming setups by providing expanded, rapid-access storage for games and associated data, improving load times and gameplay smoothness on both PCs and consoles.
- **Educational Institutions:** Supports the storage needs of schools and universities, from administrative record-keeping to academic research projects, providing a reliable storage solution that can handle diverse data types and sizes.
- **Medical Imaging:** Suitable for storing and processing large medical imaging files such as MRIs and CT scans, where speed and data integrity are paramount.
- **Field Research:** Portable and durable design makes it suitable for field researchers who need to store and process data on-site, often in challenging environments.

In short, the UR2-BA32 is a versatile device that delivers performance and flexibility, making it a choice for professionals across various fields.

A. HDD Access Light
B. HDD Tray Key Lock
C. HDD Tray
D. Mute Button
E. Power/ALARM indicator
F. Rebuilding Status indicator

G. USB Type-C for Power Input
   (Power input only), DC 5V/3A
H. USB 3.2 Gen2 Type-C (20Gbps)
I. Power Switch
J. RAID Mode Switch
K. Reset hole
L. Fan Speed Switch
M. Fan

Model No	UR2-BA32
Interfaces	USB 3.2 Gen 2×2 Type-C (up to 20 Gb)
Compatible Drive	2xM.2 NVMe SSD (2242/2260/2280)
Certification	CE/FCC
Storage Mode	BIG Mode JBOD – Independent 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	* Line voltage: 5V DC * 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 x1 (Black) * USB 3.2 Gen 1 Type-C to Type-A Cable x 1 (Black) * Type C to Type C Cable x1 (White, Power only) * Accessory kit * Quick Installation Guide