Raidon Technology Launches UR2M-B32+ USB-C Compact Dual-bay M.2 NVMe Hardware RAID Enclosure

Up to 20Gb/s over USB-C, hardware RAID control and Easy Data Vault iOS support, tool-free, lockable NVMe trays, real-time OLED monitoring, and active thermal management

Raidon Technology, Inc. launches the UR2M-B32+ compact dual-bay M.2 NVMe hardware RAID enclosure built for professionals who need high-speed transfers, dependable operation, and instant on-device visibility.

A front-facing OLED display provides real-time status for RAID mode, drive health, and rebuild progress, giving users direct system feedback without relying on host RAID software.

Designed around USB-C connectivity with up to 20Gb/s bandwidth, the UR2M-B32+ supports RAID-1, JBOD, and BIG at the hardware level. Its dual-cable design separates data from a dedicated PD 5V/3A power input, helping improve stability during sustained transfers and heavier NVMe workloads.

For modern video creators, the UR2M-B32+ fits naturally into iPhone ProRes workflows, offering fast external storage, hardware-level flexibility, and independent power support for capture, backup, and post-production movement across desktop and mobile environments.

USB Type-C & Thunderbolt™ 3/4/5

20 Gbps Speed

Type C — Type C

Up to 20Gb/s over USB-C

Move large files quickly with high-bandwidth USB-C connectivity designed for demanding workflows. Compatible with USB-C and Thunderbolt 3/4 hosts across Windows, macOS, and Linux.

RAID BIG   RAID 1   JBOD

True Hardware RAID Flexibility

Choose RAID-1 (mirroring) for redundancy, JBOD for independent disks, or BIG for combined capacity. RAID configuration is handled at the hardware level, with no host RAID utility required.
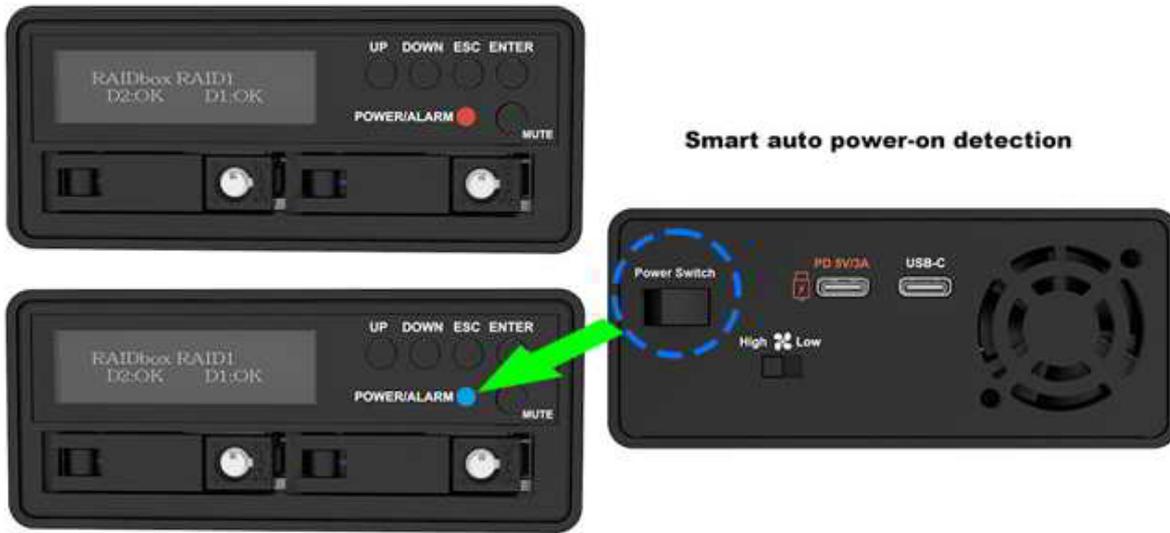
Real-Time OLED Monitoring

Real-time OLED display

Check RAID mode, SSD status, and rebuild progress directly on the enclosure for faster status checks and more confident day-to-day operation.

Dedicated Power Input for Demanding NVMe Workloads

The UR2M-B32+ uses a separate USB-C PD 5V/3A power connection alongside the data cable, helping support more stable operation when host bus power alone may be insufficient.
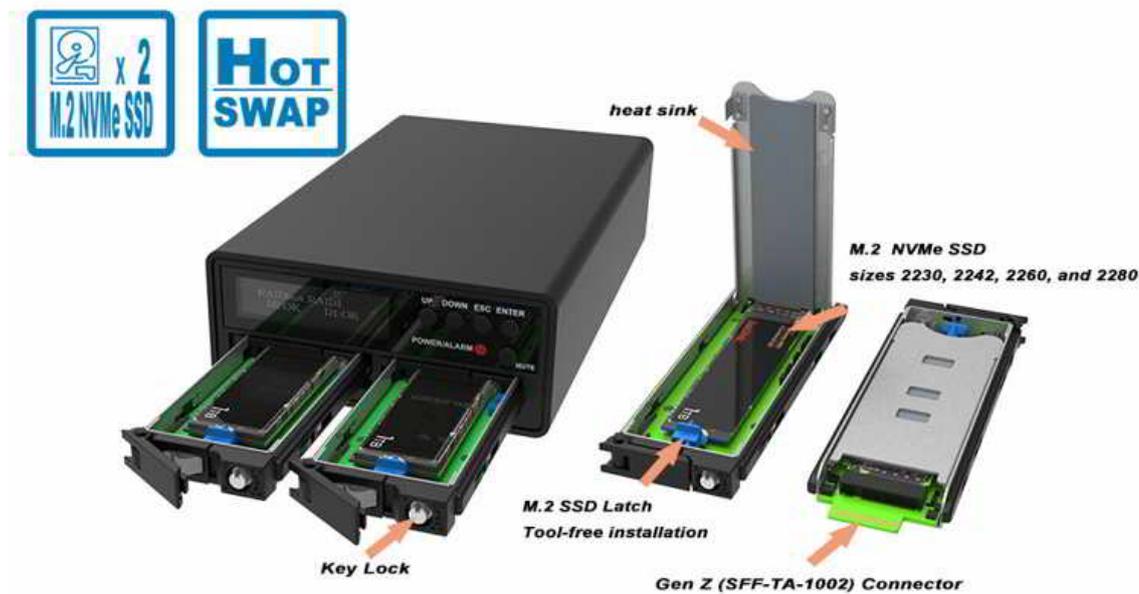
Smart auto power-on detection

Active Thermal Management

A fan-cooled aluminum chassis with adjustable cooling helps dissipate heat during sustained transfers, while status indicators and alerts improve operational awareness during longer sessions.

Tool-Free, Lockable NVMe Trays

Install or replace M.2 NVMe SSDs in 2230 / 2242 / 2260 / 2280 sizes using removable trays designed for quick access. Individual tray locks add extra physical security in busy work environments.

Mobile and Desktop Workflow Support

Cross-platform support: Windows, macOS, and Linux

For iPhone and iPad users, Easy Data Vault supports photo and video backup, selective backup, browsing, and restore with compatible USB-C storage. On desktop, the enclosure supports fast hardware RAID workflows across PC and Mac environments.

Applications:

- **Content Creation and Post-Production** – Offload large media files quickly and use **RAID-1** for immediate redundancy on critical projects
- **Direct iPhone ProRes Workflows** – Use the UR2M-B32+ as part of a mobile production workflow for **recording, storing, and transferring ProRes footage** with supported iPhone Pro models and compatible external USB-C storage
- **IT Engineering and Field Backup** – Deploy **JBOD** or **RAID-1** for diagnostics, backup rotation, project transport, or compact mirrored storage in mobile and desktop environments
- **Research and Remote Operations** – Use a compact, actively cooled storage solution built for fast access and sustained handling of high-value data

Frequently Asked Questions (FAQ):

Q1: *What SSDs are supported?*
A: The UR2M-B32+ supports M.2 NVMe SSDs only in 2230, 2242, 2260, and 2280 sizes. M.2 SATA SSDs are not supported.

Q2: *What RAID modes are available?*
A: The enclosure supports RAID-1, JBOD, and BIG.

Q3: *Does it require software to manage RAID?*
A: No. The UR2M-B32+ is a hardware RAID enclosure, so RAID operation does not depend on host RAID software**.**

Q4: *What does the OLED display show?*
A: The OLED shows RAID mode, drive status, and rebuild progress in real time.

Q5: _Can it be used for iPhone ProRes recording?_
A: It can fit external ProRes workflows on supported iPhone Pro models. Apple says direct ProRes recording to external USB-C storage requires compatible hardware and conditions, including exFAT formatting and a USB 3 cable of at least 10Gb/s. Apple also notes that some external drives may require additional power, which makes the UR2M-B32+'s dedicated PD 5V/3A input especially relevant in mobile workflows.

Specs:

A. HDD Access Light
B. HDD Tray Key Lock
C. HDD Tray
D. Mute Button
E. Power/ALARM indicator
F. Setting Button
G. OLED Display

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

Model	UR2M-B32+
Interfaces	**USB 3.2 Gen 2×2** Type-C (up to 20Gb/s)
Supported Drives	2 x M.2 NVMe SSD (2230/2242/2260/2280)
Connectivity Compatibility	USB-C for PC and Mac
Certification	CE / FCC
RAID Modes	BIG Mode JBOD – Independent Mode RAID-1 – Safe Mode
Operating System Support	Windows 7 or later, macOS 10.10 or later, Linux
Cooling System	30 mm low-noise fan Aluminum chassis with active cooling
Monitoring & protection	Real-Time OLED Monitoring Overheat / fan failure LED + buzzer alerts Intelligent power-stabilization logic
Power Input	USB-C PD 5V/3A (via white Type-C port) Dedicated power input (not for data)
Dimensions	Height: 41 mm Width: 97 mm Depth: 155.3 mm
Packaging	10 pcs per carton
Included Accessories	* 1 X UR2M-B32+ * 1 X USB 3.2 Type-C to Type C Cable (Black) * 1 X Type C to Type C Cable (White, Power only) * Tray Unlock Keys * Quick Installation Guide