Raidon Technology Launches US2-B4 USB4.0 40Gb Dual-Bay M.2 NVMe JBOD Enclosure

Supports PCIe M.2 NVMe SSDs: 2242 / 2260 / 2280, 2 SSDs operate as separate volumes (no RAID)

[Raidon Technology, Inc](). introduces the [US2-B4]() a premium 40Gb USB4 enclosure featuring Thunderbolt 3/4/5 support and independent JBOD operation for clear data separation.

Built for sustained professional workloads, it includes tool-free trays, active cooling, and hardware failure alarms. Paired with **Easy Data Vault**, it provides instant offline backups for USB-C iPhones and iPads without needing the cloud. *Performance auto-negotiates based on host, cable, and SSD capabilities.*

The **US2-B4** is a premium **dual-bay M.2 NVMe** enclosure engineered for creators and professionals who need **maximum throughput and clean data separation**.

Built on **USB4.0/40Gb** connectivity and designed to work with **Thunderbolt 3 / 4 / 5** USB-C ports as a USB4 storage device (up to 40Gb link speed on capable hosts), the US2-B4 delivers fast transfers and low-latency responsiveness – while keeping **each SSD independent in JBOD mode** for straightforward storage management.
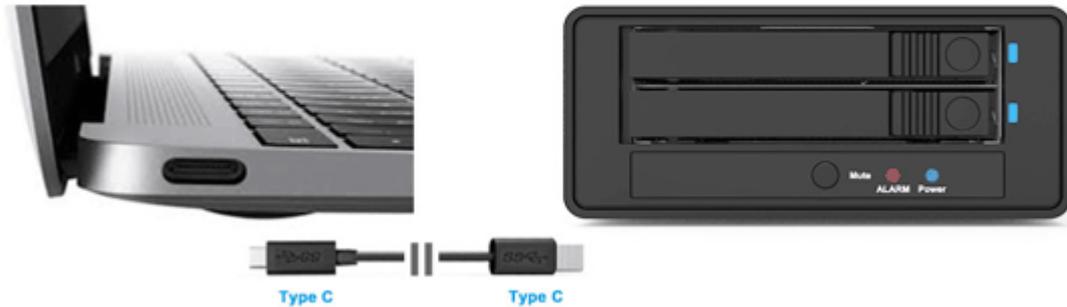
With **tool-free, removable SSD trays**, **active cooling**, and **hardware alarms** (temperature / fan failure), the US2-B4 is optimized for sustained workloads. For mobile workflows, pairing with **Easy Data Vault** enables **offline**

photo/video backup to external storage from **USB-C iPhone/iPad** – no cloud and no internet required.

Note: Connection speed and real-world throughput depend on the host port, cable, and SSD performance; the link negotiates to the best mutual capability.

Features:

Performance and Connectivity

USB Type-C & Thunderbolt™ 3/4/5

- **USB4.0/40Gb** over USB-C for high-speed workflows
- Works with **Thunderbolt 3 / 4 / 5** USB-C ports (performance scales by host/cable)
- **JBOD (Independent Mode):** 2 SSDs operate as **separate volumes** (no RAID)

SSD Support and Serviceability

- Supports **PCIe M.2 NVMe** SSDs: **2242 / 2260 / 2280**
- **Tool-free trays** for fast installation and drive changes
- **Drive status LEDs** for activity and error indication
- For best data safety, **eject the volume** before removing a drive

Power, Cooling and Protection

Power LED with PD Input

Blue = sufficient

- **USB-C PD power input (5V / 3A)** for stable operation
- **Power-status LED** alerts when input power is insufficient

30mm cooling fan with HI/LOW speed control

- **30mm cooling fan** with **HI/LOW** speed control
- **Over-temperature and fan-failure alarms** with **buzzer mute** (visual warnings remain active)

Mobile Offline Backup

Easy Data Vault supports **offline photo/video backup and restore** to external storage on **USB-C iPhone/iPad**

(no cloud/internet)

<u>**Applications:**</u>

- **Content Creation and Video Editing:** fast media ingest, cache/scratch separation, rapid exports
- **Data Backup and Archiving:** 2 independent volumes for flexible organization
- **Professional Workstations (CAD/3D):** reduces load times and improves iteration speed
- **Edge / Field Work:** durable metal build + active thermal control
- **AI / ML Development:** high-throughput dataset staging and fast experiment cycles

<u>**Frequently Asked Questions:**</u>

Q1: Why Choose the US2-B4?
US2-B4 has the advantages with buying tip for 2 independent NVMe Volumes (JBOD), USB4.0/40Gb, Tool-free trays + status LEDs, Active alarms and Easy Data Vault offline backup.

Q2: How do I choose US2-B4 vs UR2-B32?
If you need RAID (mirror/redundancy or stripe performance), choose UR2-B32. If you need maximum interface speed and 2 independent NVMe volumes, choose US2-B4.

Q3: What SSDs does the US2-B4 support?
PCIe M.2 NVMe SSDs in **2242 / 2260 / 2280** form factors. **M.2 SATA** SSDs are not supported.

Q4: Does US2-B4 support RAID?
No. **JBOD only –** each SSD appears as a separate drive for maximum flexibility.

Q5: Does it support iPhone/iPad offline backup?
Yes – using **Easy Data Vault**, you can back up photos/videos to external storage on **USB-C iPhone/iPad** without cloud/internet.

Q6: What are the best use cases?
High-speed ingest/edit/export, dual-volume project organization, workstation scratch + archive, and mobile/field offline backup.

A. HDD Access Light
B. HDD Tray Ejection
C. HDD Tray Handle
D. Mute Button
E. Power indicator
F. ALARM indicator

G. USB Type-C for Power Input
   (Power input only), DC 5V/3A
H. USB 4.0 Type-C (40Gbps)
I. Power Switch
J. Fan Speed Switch
K. 30mm Low noise fan

Specification

Model No	US2-B4
Interfaces	USB 4.0 (up to 40Gbps) Compatible with Thunderbolt 3/4/5
Compatible Drive	2 x M.2 NVMe SSD (2242/2260/2280)
Certification	CE/FCC
Storage Mode	JBOD - Independent Mode
Operating System Support	Windows 7 or above, macOS X 10.10 or above, Linux
Cooling System	30mm Low noise fan
Size and Weight	Height: 41mm Width: 97mm Depth: 165.3 mm
Carton	10 pcs per carton
Package Accessories	* US2-B4 x 1 * USB4.0 Type-C to Type-C Cable x1 (Black) * USB Type-C to Type-C Cable x1 (White, Power only) * Accessory kit * Quick Installation Guide