

Raidon Technology Introduces the Stardom ST8R-B32 – 8-Bay USB-C Dual Hardware RAID Storage

Two RAID workflows, one professional DAS

[Raidon Technology](#) unveils the **Stardom ST8R-B32 is an 8-bay USB-C DAS with two independent 4-drive hardware RAID groups**, enabling different storage workflows in a single enclosure. **RAIDONTEK** Each group supports RAID 0, RAID 5, BIG, and JBOD, allowing active project storage and RAID-protected storage to operate side by side. Dedicated hardware RAID controllers manage each group independently without relying on host-based RAID software.

8	2	1	Up to 240TB
Drive Bays	Independent 4-Drive RAID Groups	USB-C Host Connection	Raw Capacity



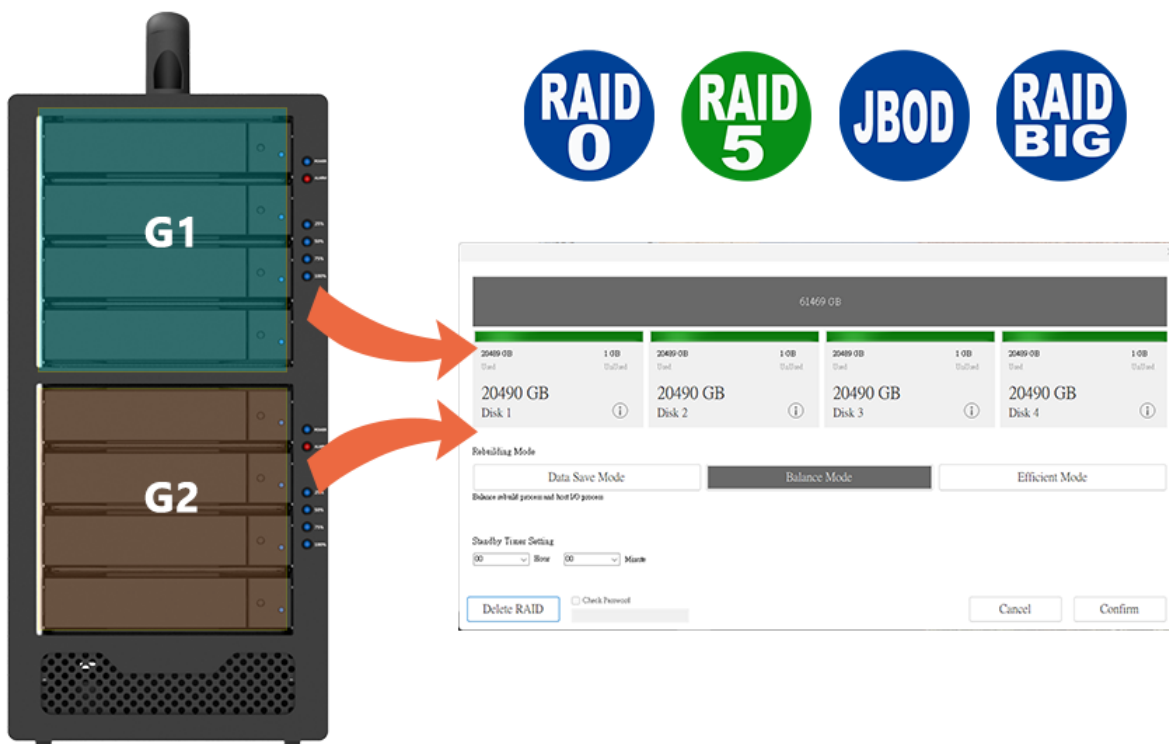
Why ST8R-B32?

- **Separate Active and Protected Storage**
Keep performance-focused and protected data environments independent
- **Flexible RAID Per Workflow**
Configure G1 and G2 independently as RAID 0, RAID 5, BIG, or JBOD
- **Reduce Hardware Footprint**
Run two storage workflows without purchasing a second DAS
- **Single-Cable Simplicity**
Access both RAID groups through one USB-C connection

Key Features

- Two independent hardware RAID controllers for separate RAID groups in one 8-bay enclosure
- Supports RAID 0, RAID 5, BIG, and JBOD
- Hot-swappable 3.5-inch HDDs and 2.5-inch HDDs/SSDs with lockable trays
- USB 3.2 Gen 2×2 with up to 20Gb/s aggregate bandwidth
- LEDs show drive access, failure, and rebuild progress at 25%, 50%, 75%, and 100%
- Independent 80mm cooling fans with High/Low control and 40mm power-supply cooling
- Temperature and fan-failure alerts via LED and buzzer
- Monitor both RAID groups and system status through a single Windows GUI
- Storage access on Windows, macOS, and Linux; monitoring utility available for Windows only
- Easy Data Vault enables direct photo and video backup from compatible USB-C iPhone and iPad devices

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Main Applications

1. Professional Video Editing

G1 — RAID 0: High-Speed Editing Workspace

G2 — RAID 5: Protected Project Storage

Handle demanding video editing while protecting completed project data in the same enclosure

2. Photography & Media Archive

G1 — BIG: Photo & Video Library

G2 — RAID 5: Protected Media Archive

Use one group for media storage and the other for protected archiving, with independent management

3. Backup & Data Protection

G1 — RAID 5: Primary Local Storage

G2 — RAID 5: Secondary Local Copy

Use two RAID 5 groups for local protection, with critical data backed up separately. Copying between groups requires user action or backup software. RAID does not replace an independent backup

4. **Multi-Stage Data Workflow**

G1 — RAID 0 / BIG: Active Working Data

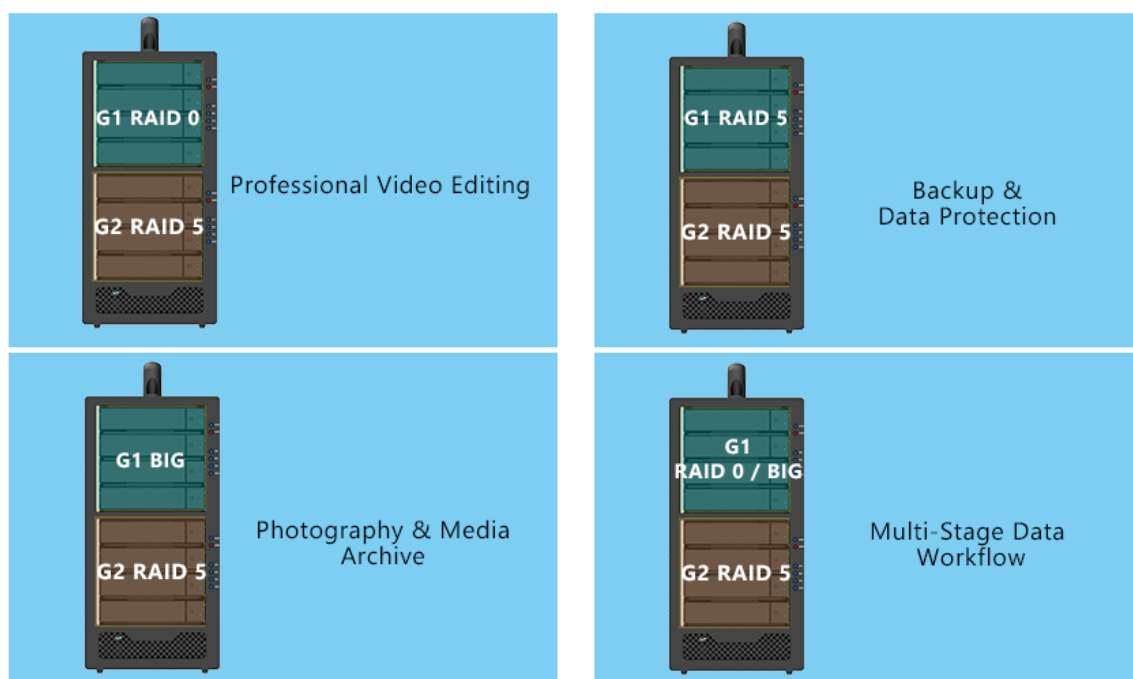
G2 — RAID 5: Protected Data

Move completed projects from a performance-focused workspace in G1 to RAID 5-protected storage in G2 without adding a second enclosure

5. **Mobile Photo & Video Backup**

Back up photos and videos directly from compatible USB-C iPhone and iPad devices using Easy Data Vault

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Choose Your Dual-Workflow DAS

Feature	ST4R-B32	ST8R-B32
Drive Bays	4	8
Independent Hardware RAID Groups	2 × 2-drive groups	2 × 4-drive groups
RAID Modes per Group	RAID 0 / 1 / BIG / JBOD	RAID 0 / 5 / BIG / JBOD
Maximum Raw Capacity*	Up to 120TB	Up to 240TB
Host Connection	One USB-C, up to 20Gb/s aggregate	One USB-C, up to 20Gb/s aggregate

Feature	ST4R-B32	ST8R-B32
Best For	Compact dual-workflow storage	Higher-capacity workflows with RAID 5

Based on supported 30TB drives. Actual usable capacity depends on RAID configuration and formatting. USB bandwidth is shared between both RAID groups.

Product Specifications

Specification	ST8R-B32
Host Interface	USB 3.2 Gen 2×2 Type-C, up to 20Gb/s (Aggregate)
Supported Drives	8 × 3.5-inch / 2.5-inch SATA HDD/SSD
Drive Interface	SATA III 6Gb/s
Maximum Drive Capacity	Up to 30TB per drive
Maximum Raw Capacity	Up to 240TB*
RAID Architecture	2 independent 4-drive hardware RAID groups
RAID Modes	RAID 0 / 5 / BIG / JBOD per group
OS Compatibility	Windows / macOS / Linux
System Cooling	2 × 80mm system fans, each with independent High/Low speed control
Alarm Control	2 × Buzzer On/Off switches, one per RAID group
Physical Security	Lockable trays / Kensington Security Slot
Power Supply	Built-in 250W, AC 100-240V, with dedicated 40mm cooling fan
Dimensions	295 × 140 × 280 mm
Weight	Approx. 2.4 kg, excluding drives
Compliance	CE / FCC / RoHS
Included Accessories	1 x USB-C to USB-C cable 1 x Power cord Drive screws and keys 1 x Quick Installation Guide

**Actual usable capacity depends on RAID mode, drive capacity, formatting, and operating system.*

**USB bandwidth is shared between both RAID groups. Achieving up to 20Gb/s requires a compatible USB 3.2 Gen 2×2 host and cable. Actual transfer speeds vary by configuration and workload.*