

Raidon Technology Announces Stardom UR2D-B32, a Professional Dual U.2 Hardware RAID Storage System

USB-C 20Gbps - RAID 1, BIG & JBOD - lockable front-access drive trays

[Raidon Technology](#) introduces **the UR2D-B32, it is a professional dual-bay U.2 hardware RAID storage system designed for high-speed, serviceable workstation deployment.**

RAIDONTEK Its USB 3.2 Gen 2×2 Type-C host interface provides up to 20Gbps link bandwidth, while the integrated hardware RAID controller supports RAID 1, BIG, and JBOD independently of the host operating system.

Unlike compact portable NVMe enclosures, the UR2D-B32 combines lockable front-access U.2 drive trays, dedicated power, active cooling, temperature and fan monitoring, audible alerts, and RAID rebuild-progress indicators. This serviceable architecture makes it well suited to sustained professional workloads including video production, CAD, workstation virtualization, digital asset management, software development, and high-speed local data protection.



Key Features

- **USB-C 20Gbps Connectivity**
USB 3.2 Gen 2×2 Type-C provides up to 20Gbps link bandwidth on compatible hosts. It is backward compatible with USB 3.2 Gen 2 at 10Gbps and USB 3.2 Gen 1 at 5Gbps and works with Thunderbolt™ 3, 4, and 5 USB-C ports in USB mode. Most Mac systems connect at up to 10Gbps
- **Dual U.2 and Optional M.2 NVMe Support**
Supports two U.2 SSDs or two M.2 NVMe SSDs using optional UBOX Mini adapters. Lockable front-access metal trays simplify drive installation and replacement
- **Hardware RAID Flexibility**
The integrated hardware RAID controller supports RAID 1, BIG, and JBOD without requiring RAID software

Mode	Function
RAID 1	Mirrors data across both SSDs

Mode	Function
BIG	Combines both SSD capacities
JBOD	Presents each SSD independently

Changing the RAID mode erases all data

- **Intelligent Monitoring**

Front-panel LEDs and audible alerts indicate power, drive activity, drive failure, alarm conditions, and RAID rebuild progress at 25%, 50%, 75%, and 100%

- **Thermal Protection**

The system monitors internal temperature and fan operation. If the temperature exceeds 60°C or the fan stops, the Alarm LED flashes and the buzzer sounds. Pressing the Mute button silences the buzzer but does not clear the alarm condition

- **Active Cooling and Dedicated Power**

An aluminum enclosure, all-metal trays, and a 30mm High/Low-speed fan help manage heat during sustained workloads. A dedicated 12V/4.2A power adapter provides independent system power

Benefits

Buying Consideration	How the UR2D-B32 Delivers
High-Speed Storage	USB 3.2 Gen 2×2 provides up to 20Gbps link bandwidth on compatible hosts
Data Protection	Hardware RAID 1 maintains mirrored data across two SSDs
Serviceable Storage	Lockable front-access U.2 trays simplify drive installation and replacement
Sustained Operation	Active cooling, temperature monitoring, and fan-failure alerts help manage heat
Clear System Status	LEDs and audible alerts indicate drive, alarm, and rebuild conditions
Dedicated Power	A dedicated external adapter powers both SSDs and the storage system
Flexible Deployment	RAID 1, BIG, JBOD, optional M.2 adapters, and dedicated power support varied workflows

Applications

The UR2D-B32 is ideal for professionals who need high-speed, serviceable SSD storage with hardware RAID and reliable thermal management.

- **Video editing and media production:** Store, edit, and protect large media files
- **Photography and digital asset management:** Manage and safeguard large RAW photo libraries
- **CAD, 3D design, and engineering:** Access large project files, models, and simulations
- **Workstation virtualization and software development:** Run virtual machines, development environments, and large datasets
- **Professional data protection:** Use RAID 1 to maintain mirrored local storage for important business and project files
- **Workstation storage expansion:** Add front-access U.2 storage with locking trays and active cooling

UR2-B32 vs. UR2D-B32

Choose the **UR2-B32** for compact deployment, portability, and native M.2 NVMe SSD support. Choose the **UR2D-B32** for U.2 SSDs, front-access serviceability, dedicated power, stronger thermal management, and professional workstation deployment.

Feature	UR2-B32	UR2D-B32
Positioning	Compact dual M.2 NVMe RAID storage	Professional dual U.2 RAID storage system
Power Design	USB-C power input	Dedicated external power adapter
Deployment Style	Portable desktop use	Professional workstation and sustained-workload use
Native SSD Support	2 × M.2 NVMe SSDs	2 × U.2 SSDs
M.2 NVMe Support	Native	Optional UBOX Mini adapters
Applications	Photography, backup, content creation	Video editing, CAD, virtualization, professional storage

Product Specifications

Model No	UR2D-B32
Host Interface	USB 3.2 Gen 2×2 Type-C
Maximum Link Bandwidth	Up to 20Gbps

Drive Support	2 × U.2 SSDs
Optional Drive Support	2 × M.2 NVMe SSDs with UBOX Mini adapters
Storage Modes	RAID 1, BIG, JBOD
Rebuild Indicators	25%, 50%, 75%, 100%
Operating Systems	Windows, macOS, Linux
Cooling	30mm High/Low-speed fan
Power Adapter	12V/4.2A, approximately 50W
Dimensions	165.3 × 97 × 41 mm
Weight	Approximately 0.8 kg, excluding drives
Carton Quantity	10 units per carton
Certifications	CE, FCC, RoHS
Included Accessories	USB 3.2 Type-C to Type-C Cable × 1, Black 12V/4.2A Power Adapter × 1 AC Power Cord × 1 Accessory Kit × 1 Quick Installation Guide × 1