

Raidon Technology Announces the GR5640-B32: Professional 4-Bay USB-C Hardware RAID 5 Storage

USB-C 20Gbps, hardware RAID 5 and lockable full-metal drive trays

The [Raidon GR5640-B32](#) is a professional 4-bay USB-C hardware RAID enclosure built for reliable storage, data protection, and controlled drive access. **RAIDONTEK** Its aluminum chassis, lockable full-metal trays, and dedicated hardware RAID controller support RAID 5, RAID 0, JBOD, and BIG for media production, engineering, backup, and archival workflows.

USB 3.2 Gen 2×2 provides up to 20Gbps link bandwidth and connects to USB-C workstations as well as Thunderbolt™ 3/4/5 hosts operating in USB mode. Hot-swappable trays, active cooling, a 150W internal power supply, and clear drive, fault, and rebuild indicators help ensure dependable operation in demanding professional environments.



Features

1. USB-C 20Gbps Connectivity

Supports USB 3.2 Gen 2×2 for large-file transfers and demanding workflows, with compatibility through Thunderbolt™ 3/4/5 USB-C ports operating in USB mode



2. Dedicated Hardware RAID 5

Manages RAID processing independently of the host computer while providing single-drive fault tolerance to help maintain **volume access** after one drive failure



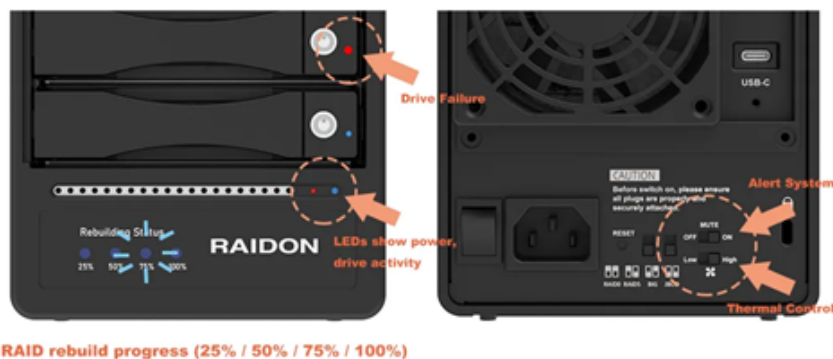
3. Lockable Hot-Swappable Full-Metal Trays

Help prevent accidental drive removal while simplifying front-access replacement and maintenance



4. Status and Rebuild Monitoring

Front LEDs display power, drive activity, faults, and rebuild progress, while a buzzer with mute control provides immediate alerts



5. Safe Monitoring Guard for Windows

Monitors RAID status, system alerts, and rebuild progress, while RAID settings remain controlled by the enclosure hardware

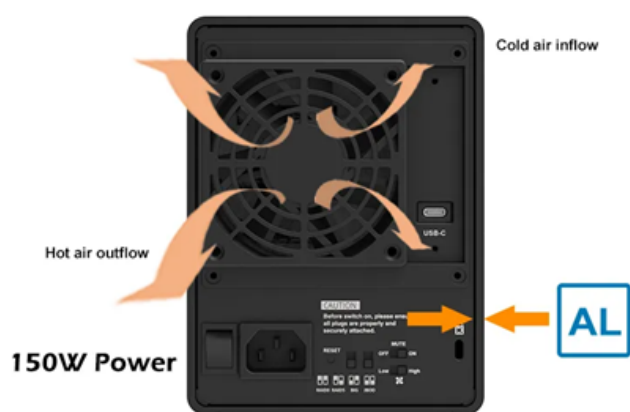
Windows Management GUI (Windows only):

Tracks array status, alerts, and rebuild progress; RAID mode is configured via physical hardware controls only.



6. Active Cooling and Power

An 80mm fan with High/Low speed control and a 150W internal PSU support stable operation during extended workloads and RAID rebuilds



7. Cross-Platform and Mobile Support

Compatible with Windows, macOS, and Linux, with Easy Data Vault backup and restore support for compatible USB-C iPhone and iPad devices



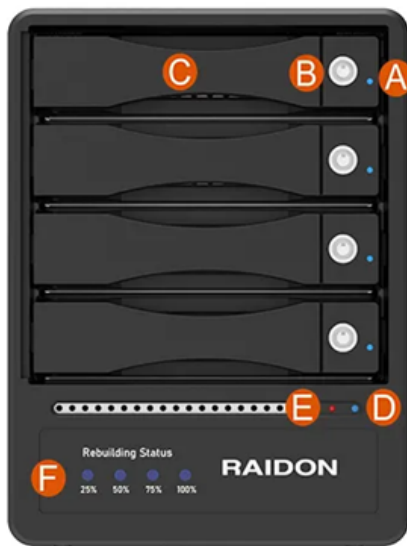
Why Choose GR5640-B32?

Why It Matters	GR5640-B32 Advantage
Faster large-file transfers	USB-C 20Gbps connectivity
Protection from drive failure	Hardware RAID 5 with rebuild support
Safer drive handling	Lockable full-metal trays
Broad system compatibility	USB-C and Thunderbolt™ 3/4/5 host support
Stable extended operation	150W PSU, active cooling, and status alerts
Flexible storage options	RAID 5, RAID 0, JBOD, and BIG

Applications

- **DIT Teams, Video Editors, and Creative Studios:** RAID storage for ingest, editing, rendering, proxy workflows, and post-production, with lockable trays to help prevent accidental drive removal
- **Hybrid Mac and Windows Teams:** Connect to compatible USB-C workstations and Thunderbolt™ 3/4/5 ports operating in USB mode. Cross-platform access depends on the selected filesystem
- **Engineers and Research Laboratories:** Store and manage large datasets for analysis, simulation, sharing, and project archiving
- **IT Teams and Workstation Users:** Reliable direct-attached storage for workstation backup, business data protection, and shared project workflows
- **Project Archivists and Data Managers:** RAID 5 protection, removable trays, and clear status monitoring for long-term archive and drive-rotation workflows
- **Transportable Project Storage:** Move media, engineering files, and business archives between compatible systems and work locations

Product View



- A. HDD Status Indicator LED
- B. HDD Tray Key Lock
- C. HDD Tray
- D. Power Status Indicator
- E. System Status Indicator
- F. Rebuilding Status Indicator



- G. Mute Switch
- H. Fan Switch
- I. RESET Button
- J. RAID Mode Switch
- K. Power Switch
- L. Power Socket
- N. Cooling Fan
- M. USB 3.2 Gen 2x2 Type-C Port x 1
- O. Kensington Security Slot

Product Specification

Model No	GR5640-B32
Host Interface	USB 3.2 Gen 2×2 Type-C, up to 20Gbps
Supported Drives	4 × 3.5-inch or 2.5-inch SATA HDDs/SSDs
Host Compatibility	USB-C PCs and Macs; Thunderbolt™ 3/4/5 hosts operating in USB mode
Certifications	CE, FCC, RoHS
RAID Modes	RAID 0, RAID 5, BIG, JBOD
Operating System Support	Windows 7 or later, macOS 10.10 or later, Linux
Cooling System	80mm fan with High/Low speed control Aluminum chassis with active cooling
Monitoring and Protection	RAID rebuild progress (25% / 50% / 75% / 100%) Overheat / fan failure LED and buzzer alerts
Power Supply	Internal 150W, AC 100-240V, 50/60Hz
Dimensions	210 × 124 × 166 mm (L x W x H)
Packaged Weight	Approximately 3.4 kg per unit, excluding drives
Carton Quantity	4 units per carton

Included Accessories	• 1 x USB 3.2 Gen 2×2 Type-C to Type-C cable • 1 x power cord • 1 x Accessory kit with drive screws and keys • 1 x Quick Installation Guide
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