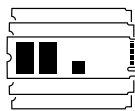
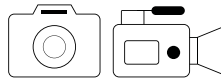
**Real-World Speed**

Up to 6600MB/s peak and
5990MB/s sustained write speed

**12 NVMe M.2 SSDs**

Ideal for RAID 5 or 0/1/4/10

**Up to 96TB**

Storage capacity

**Two Thunderbolt 5 Ports**

Connect additional devices

OWC ThunderBlade X12

80Gb/s Thunderbolt™ 5 (USB-C) NVMe RAID SSD

The Fastest and Highest Capacity Production Shuttle and Editing RAID SSD in the Universe

For years, creative pros called ThunderBlade the best production drive in the universe. But they needed more. Bigger capacity for massive projects. Breakthrough speed to streamline ingestion and backup times on set. Rock-solid RAID 5 reliability. Oh yeah, and if not too much trouble, make it small enough to still be a shuttle drive.

Thunderblade X12 is the ground-breaking advancement that makes seemingly impossible video workflows fast, simple, and seamless. With up to 6600MB/s peak and 5990MB/s sustained write speed thanks to its Thunderbolt 5 technology, ThunderBlade X12 doubles the performance of its highly acclaimed predecessor. Up to 96TB of storage – 3x more than previously available – is easily managed with SoftRAID Premium, the fastest, most powerful and flexible RAID tool on the planet.

The TL;DR to ThunderBlade X12 is it's the perfect portable solution with the highest performance, efficiency, and dependability for film and streaming service content production as well as cutting-edge multi-cam 4K, 6K, or 8K RAW sequences, 12K RAW video and beyond, or even stereoscopic 360 VR editing.

Key Features

- **Breakthrough:** Up to 6600MB/s peak speed with blazing-fast 5990MB/s consistent sustained write speed over the entire volume¹
- **Massive:** 12 NVMe M.2 SSDs for up to 96TB
- **Includes SoftRAID:** Robust software for creating, monitoring, and managing advanced RAID set
- **Versatile:** Daisy-chain up to five additional Thunderbolt devices or connect a USB-C device via the second Thunderbolt port
- **Secure:** Non-skid rubber feet, locking power connector, and OWC ClingOn ready for on-set use²
- **Silent:** Heat dissipating fanless aluminum chassis keeps you working at top speed
- **Informative:** Confirm use status instantly via a configurable LED
- **Mobile:** Compact footprint and custom-fit ballistic hard-shell case make this the perfect shuttle drive
- **Certified:** Meets Intel Thunderbolt and OWC operating certifications for assured performance and reliability³
- **Worry-free:** 3 Year OWC Limited Warranty

1. Up to 6600MB/s peak speed and 5990MB/s sustained write speed with a 12TB ThunderBlade X12 connected to a MacBook Pro (16-inch, November 2024) running AJA System Test (4K-Full resolution, 64GB file size, 16 bit RGBA codec, single file test).

2. OWC ClingOn cable stabilizer available separately.

3. Fully certified for use with Macs with Thunderbolt 5/4/3 port and Windows PCs with Thunderbolt 5 port.



Part Number	Capacity	UPC	AVAILABLE
OWCTB5TBL12X012	12TB	810159629249	now
OWCTB5TBL12X024	24TB	810159629256	now
OWCTB5TBL12X048	48TB	810159629263	now
OWCTB5TBL12X096	96TB	810159629270	TBA

OWC ThunderBlade X12

Tech Specs

Includes

- OWC ThunderBlade X12 External Storage Solution
- Thunderbolt 5 Cable
- External Power Supply
- US Power Cable (3-Prong IEC C13)
- Ballistic Hard-Shell Travel Case
- Support Manual for OWC ThunderBlade X12
- 3 Years of SoftRAID Premium Access (License located on device)
- [Quick Start Guide for OWC SoftRAID \(Digital\)](#)
- 3 Year OWC Limited Warranty

Specifications

Drive Bays

- 12 bays

Capacity

- 12 – 96TB

Drive Mechanism

- (12) 1.0TB-8.0TB OWC Aura PCIe 4.0 NVMe M.2 SSD*

Plug and Play

- Yes

Hot Plug Support

- Yes

Boot Support

- Mac only. Boot volume must be independent from RAID volume. Boot Camp is not supported.

Drive Format

- Formatted as an 12 disk SoftRAID RAID 0 for Mac. PC users please consult the "Mac to Windows – SoftRAID Volume Conversation" guide.

Storage Interface

- M.2 NVMe (PCIe 4.0)

RAID Capable

- Yes

Default RAID Level

- RAID 0

RAID Levels Supported

- RAID 0
- RAID 1
- RAID 4
- RAID 5
- RAID 10

RAID Features

- Software RAID

Device Ports

- (1) Host Port - Thunderbolt 5 (USB-C) up to 80Gb/s (10000MB/s)
- (1) Thunderbolt 5 (USB-C) port

Data Transfer Rate (Maximum)

- Thunderbolt 5: Up to 80Gb/s (or 10000MB/s)

Benchmark Speed, Read (Max)

- Up to 6600MB/s

Benchmark Speed, Write (Max)

- Up to 6490MB/s

Chipset/Controller

- Thunderbolt 5: (1) Intel JHL9480

Hot Interface Requirements

- Macs: Thunderbolt 5/4/3 port
- Windows PC: Thunderbolt 5 port

External Power Adapter

- Yes

Power Supply

- External UL-listed universal auto-switching power supply

AC Input

- 100-240V, 50-60Hz, 2.0A

DC Output

- +12V, 12.5A

Wattage

- 150W

Security Slot

- Yes

Power/Activity LED

- Yes

Housing Color

- Black

Housing Material

- Aluminum

System Requirements

Mac OS Compatibility

- Apple silicon Macs require macOS 14.4 and later.
- Intel Macs require macOS 15.x and later

PC OS Compatibility

- Windows 11 24H2 or later

Driver Required

- SoftRAID Only
- SoftRAID automatically checks for the latest driver. Launch the app and if displayed, follow prompts to update driver.

Other Requirements

- The SoftRAID serial number will work with both Mac and Windows but can only be active on one computer at a time. Additional seats can be purchased. RAID 4/1+0 (10) are currently Mac only at this time.

Dimensions + Weight

Dimensions

- 5.4 in (W) x 2.5 in (H) x 9.3 in (D)
- 13.8 cm (W) x 6.3 cm (H) x 23.6 cm (D)

Weight (empty)

- 8.4 lb (3.8 kg)

Certifications

- CE
- FCC
- RoHS

Operating Environment

Environment (Operating)

- Ambient Temperature:
 - (°F): 50° to 95°
 - (°C): 10° to 35°
- Altitude:
 - Meters: -304.8 m to 3,048.0 m
 - Feet: -1,000 ft to 10,000 ft
- Humidity: 8% to 90% non-condensing

Environment (Non-Operating)

- Ambient Temperature:
 - (°F): -40° to 149°
 - (°C): -40° to 65°
- Altitude:
 - Meters: -304.8 m to 12,192.0 m
 - Feet: -1,000 ft to 40,000 ft
- Humidity: 5% to 95% non-condensing

Noise

- 0.0dB

