

**Supremely Fast**

Over 6000MB/s peak real-world speed

**Widely Compatible**

Works with Macs, PCs, iPad Pros, Chromebooks, and Surface devices

**Exceptionally Flexible**

DIY enclosure or ready-to-run solutions easily future upgradeable with higher capacity

**Highly Portable**

Palm-sized and bus-powered via included USB4 cable

## OWC Express 1M2 80G

### Expressly Evolutionary

This isn't just the next version of the widely popular Express 1M2 portable SSD... this aircraft grade aluminum heatsink-like beauty is an evolutionary leap forward in speed. Built with the latest USB4 80Gb/s interface, the Express 1M2 80G doubles its predecessor's capabilities to the tune of over 6000MB/s real-world performance.

#### Key Features

- **Supremely Fast:** Over 6000MB/s peak real-world speed<sup>1</sup>
- **Widely Compatible:** Works with Macs, PCs, iPad Pros, Chromebooks, and Surface devices<sup>2</sup>
- **Exceptionally Flexible:** Choose DIY "build your own" or ready-to-run solutions easily future upgradeable with faster, higher capacity 2280 or 2242 NVMe M.2 SSD
- **Innovatively Cool:** Patent pending heat-dissipating design offers rugged protection of your SSD while silently keeping drive cool for consistent top speed
- **Versatile:** Easily handle daily data needs to pro level creative projects while matching internal storage performance
- **Convenient:** Bus-powered via the included USB4 cable

1. Over 6000MB/s sequential read/write peak performance speed based on testing a 2.0TB OWC Aura IV equipped Express 1M2 80G connected to a Mac Studio (2025) M3 Ultra running AJA System Test (4K-Full resolution, 64GB file size, 16bit RGB codec, single file test). Performance will vary depending on drive and application used.

2. PCs, Chromebooks, and Surface devices require a Thunderbolt 4, Thunderbolt 5, or USB4 port to use Express 1M2 80G.



Part Number	Capacity	UPC	Available
OWCUS4V2EXP1M2	0TB	810179175559	Now
OWCUS4V2EXP1MT01	1.0TB	810179175757	Now
OWCUS4V2EXP1MT02	2.0TB	810179175764	Now
OWCUS4V2EXP1MT04	4.0TB	810179175771	Now
OWCUS4V2EXP1MT08	8.0TB	810179175788	Now



## OWC Express 1M2 80G

### Tech Specs

#### Includes

- OWC Express 1M2 80G
- 0.3M (12") USB4 cable
- Screwdriver (enclosures only)
- Assembly Manual and User Guide

#### Specifications

##### Interface

- (1) 80Gb/s USB4 (USB-C) port

##### Drives Supported

- NVMe M.2 SSDs with 2280 or 2242 form factor and "M Key" connector type
- NVMe M.2 SSDs with a heatsink will not fit and are not supported

##### Bootable

- Mac only

##### Data Transfer Rate

- Over 6000MB/s peak speed
- Note: Speeds will vary based on drive installed, host device, and other factors.

##### LED Indicator

- Adjustable: bright, dim, or off
- Solid white with power, flashing white with activity

##### Certifications

- CE, FCC, UKCA, ICES, RCM, VCCI

##### RoHS Compliant

- Yes

##### Reach Certification

- Yes

##### Country of Origin

- Taiwan

##### TAA Compliance

- Yes

#### System Requirements

##### Works with:

- Thunderbolt 3/4/5 Macs and USB-C/Thunderbolt 4 iPad Pros
- USB4 or Thunderbolt 4/5 Windows PCs, Chromebooks, and Surface devices

#### Operating System

- Thunderbolt 5 for Mac requires macOS 15.x or later
- Thunderbolt 5 for PC requires Windows 11 (version 22H2) or later
- Thunderbolt 4 and USB4 connections on an Apple silicon Mac require macOS version 14.x or later.
- Thunderbolt 4 for PC requires Windows 11
- Thunderbolt 3 support is Mac only and requires macOS version 15.x or later
- iPad systems require the latest version of iPad OS
- Chromebook systems require the latest version of Chrome OS
- Surface systems require the latest version of Windows
- Linux users should use the latest version of Ubuntu

#### Power Supply

- Bus-powered

#### Warranty

##### Enclosure Only

- 2 Year OWC Limited Warranty

##### Solution

- 3 Year OWC Limited Warranty

#### Dimensions + Weight

##### Dimensions

- 2.8 in (W) x 0.9 in (H) x 5.2 in (D)
- 7.2 cm (W) x 2.4 cm (H) x 13.3 cm (D)

##### Weight

- 9.9 oz (280.8 g)

##### Retail Box Dimensions

- 5.0 in (W) x 1.9 in (H) x 6.3 in (D)
- 12.6 cm (W) x 4.8 cm (H) x 16.1 cm (D)

##### Retail Box Weight

- 14.3 oz (406.7 g)

##### Master Carton Dimensions — 20 pieces

- 7.4 in (W) x 10.7 in (H) x 20.3 in (D)
- 18.8 cm (W) x 27.3 cm (H) x 51.5 cm (D)

##### Master Carton Weight — 20 pieces

- 20.1 lb (9.1 kg)

#### Operating Environment

##### Ambient Temperature (Operating)

- Temperature (°F): 41° to 95°
- Temperature (°C): 5° to 35°

##### Ambient Temperature (Non-Operating)

- Temperature (°F): -4° to 140°
- Temperature (°C): -20° to 60°

##### Noise

- 0.0 dB



# The OWC Express 1M2 80G

## Sales and Marketing Brief

### The OWC External Storage Solution Difference

**Confidence:** Performance and reliability have been OWC priorities as a leading developer of data storage solutions since 1988. That's why every OWC storage solution goes through a multi-step performance certification prior to shipping.

**Proven:** Highly rated by independent tech pros and trusted across the planet by performance artists, influencers, creators, hybrid workers, and students.

**Complete:** OWC storage solutions are ready for immediate use and include applicable extras such as connecting cables, SoftRAID, download links for custom OWC apps, and more.

**Support:** Award-winning customer support is just a click or call away.

#### Who it's for:

From daily data transfers to detailed VFX work, the Express 1M2 80G delivers versatile internal storage-class performance externally for:

- 8K+ video editors and colorists
- DITs and high-volume photographers
- AI/ML developers and game designers
- Sports, wedding, and event creatives

### Maximum Speed and Compatibility

Express 1M2 80G utilizes the latest USB4 technology and a USB-C connector for a one-two performance and compatibility punch to knock out challenging barriers with Mac, PC, iPad Pro, Chromebook, or Surface devices.

Express 1M2 80G Connected To...	Real-World Speed
USB4 80Gb/s or Thunderbolt 5 host	Over 6000MB/s
USB4 40Gb/s host	Over 3800MB/s
Thunderbolt 4 host	Over 2800MB/s up to 3800MB/s
Thunderbolt 3 host (Mac only)	Up to 2800MB/s



## The OWC Express 1M2 80G Features Selling Guide



### Exceptionally Flexible, Future-Ready Design

The Express 1M2 80G offers flexible, future-proof appeal that satisfies diverse audiences:

- DIY enthusiasts wanting to install their own 2280 or 2242 NVMe M.2 SSD.
- Plug-and-play users seeking the simplicity of a ready-to-run high-performance solution.

Plus, either choice is easily expandable when capacity needs grow.



### Works for Everybody

OWC products are loved around the world over for their It Just Works™ ease-of-use and reliability. Express 1M2 80G solutions are Apple File System (APFS) formatted so they're ready for immediate use when plugged into a Mac or iPad Pro. No worries for PC users, OWC's free Drive Guide helps them easily reformat for Windows in seconds. If the Express 1M2 80G needs to be used in a mixed OS environment, it can work cross-platform with Macs and PCs using OWC MacDrive software (sold separately) for peace between the platforms.



### Less Is More

Speed, silence, and reliability aren't optional...they're essential. That's why the Express 1M2 80G sports OWC's field-proven deep finned passive-cooling design. By putting power exactly where it matters most - straight to the NVMe drive – instead of a distracting battery-draining fan, long renders, massive exports, and live previews stay smooth and stable.