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Up to 16TB



Over 6000MB/s



Four M.2 NVMe SSD



Mac and PC

OWC Accelsior 4M2

Meet the Fastest OWC SSD Ever Built

Accelsior 4M2 NVMe SSD is OWC's fastest SSD ever with over 6,000MB/s speed for large format video editing, VR/AR/MR environments, extreme gaming, and other high bandwidth needs. Available in capacities up to 16TB, Accelsior 4M2 is the ultimate performance drive for Mac Pro 2019, Mac Pro 2012 and 2010, and PC towers.

Accelsior 4M2 offers silent cooling via a finned heat sink cover and thermal pads, plus installation versatility with a half-length x8/x16 design. If a Mac/PC doesn't have an open or compatible PCIe slot but is Thunderbolt 3-equipped, Accelsior 4M2 can be used externally in the OWC Mercury Helios 3S (sold separately and coming soon).¹

Key Features

- Over 6,000MB/s real world speed in RAID 0²
- Powered by OWC Aura P12's advanced M.2 NVMe technology³
- Capacity up to 16TB
- Easy RAID setup with included SoftRAID software
- Compatible with full-height, half-length x8 or x16 PCIe 3.0 or 2.0 slot⁴

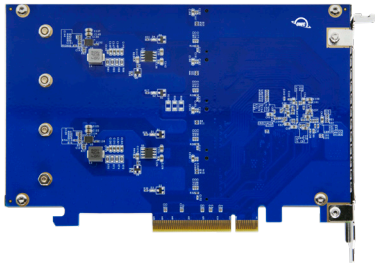
1. Performance in a Thunderbolt 3 PCIe expansion chassis limited by maximum Thunderbolt 3 PCIe bandwidth of 2800MB/s.

2. Data transfer rates will vary based on SSDs used, CPU speed, RAID setting, and PCIe version.

3. Available pre-configured with OWC Aura P12 SSDs or as an "add your own drives" solution.

4. Backward compatible with PCIe 2.0 slots at reduced speeds.





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Tech Specs

Interfaces

- Bus: PCIe 3.1 x8
- Device: (4) M.2 PCIe 3.1 x4

Form Factor

- Full height, half length

Controllers

- PCIe switch: ASMedia ASM2824
- Flash storage controller (preconfigured solutions): (4) Phison E12

Bootability

- Mac: Booting via any single drive on Accelsior 4M2 is supported
- PC: Windows 10 or later

System Requirements

- Software
 - Operating System
 - macOS 10.13.6 or later
 - Windows 10 or later
 - Linux kernel versions 4.x or later
- Hardware
 - Any Mac or PC with a compatible PCIe slot
 - PCIe 3.0 or greater strongly recommended
 - Lanes: x8 or greater strongly recommended
 - Physical: x8 or greater required

RAID Support

- JBOD independent
- Span
- SoftRAID¹ options:
 - Mac: RAID 0, 1, 4, 5 and 1+0 (10)
 - Windows: RAID 0 and 1 (RAID 5 coming soon)

Sequential Read/Write Performance²

- Read: 6948MB/s and Write: 6489MB/s

Operating Environment

- Environmental (Non-Operating)
 - Temperature (°F): -4° to 140°
 - Temperature (°C): -20° to 60°
 - Humidity 5% to 95% RH (Non-condensing)
- Environmental (Operating)
 - Temperature (°F): 41° to 95°
 - Temperature (°C): 5° to 35°
 - Humidity 8% to 90% RH (Non-condensing)

Includes

- OWC Accelsior 4M2
- SoftRAID software bundle
- Quick start guide

Warranty

- Drives included — 5 Year OWC Limited Warranty
- Card only — 3 Year OWC Limited Warranty

Dimensions

- 0.9 in (W) x 5.0 in (H) x 7.1 in (L)
- 21.6 mm (W) x 126.3 mm (H) x 181.0 mm (L)

Box Dimensions

- 3.0 in (W) x 6.3 in (H) x 9.1 in (D)
- 7.5 cm (W) x 16.0 cm (H) x 23.0 cm (D)

Master Carton Dimensions – 10 pieces

- 13.4 in (W) x 9.8 in (H) x 16.5 in (D)
- 34.0 cm (W) x 25.0 cm (H) x 42.0 cm (D)

Weight (card only)

- 0.8 lb (349.0 g)

Box Weight

- 1.5 lb (560.0 g)

Master Carton Weight – 10 pieces

- 14.1 lb (6.4 kg)

PART NUMBER	CAPACITY	UPC
OWCSSDA4M20GB	0TB	810586033152
OWCSSDA4M201T	1.0TB	810586033169
OWCSSDA4M202T	2.0TB	810586033176
OWCSSDA4M204T	4.0TB	810586033183
OWCSSDA4M208T	8.0TB	810586033190
OWCSSDA4M216T	16TB	810586035019



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1. Software RAID supported via included OWC SoftRAID application or software RAID management utility of choice.

2. Sequential read/write (max) performance numbers are based on testing with CrystalDiskMark 6.0.2 32GB (Seq Q32T1) test with SoftRAID RAID 0 on a Windows 10 PC with Intel Core i9 3.60GHz CPU, and 16GB RAM.