

2.0TB OWC Aura Pro IV

PCIe 4.0 NVMe M.2 2280 SSD

Mfr P/N: S3DIG3P4T20

OWC SKU: OWCS3DIG3P4T20



The fastest NVMe M.2 SSD solution for computers and external drives

- **Transformative:** with up to 7415MB/s reads and up to 6800MB/s writes, you'll dramatically speed up A/V workflows, video streaming, system responsiveness, back-ups, app/gaming load times, and more
- **Consistent:** dynamic SLC cache keeps write speed consistent during intensive bursts



- **Accurate:** optimized LDPC ECC engine keeps your data error-free
- **Feature-packed:** supports S.M.A.R.T., NCQ, and NVMe Deallocate (TRIM) for the best drive space management, reporting, performance, and longevity
- **Compatible:** brings out the best in PCIe 2.0 and 3.0 machines and devices
- 5 Year OWC Limited Warranty



Overview



Includes



Specs



Compatibility



Reviews



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Prepare to Launch

Strap in and hold on tight as the Aura Pro IV launches you into an entirely new world of drive performance. This high performance PCIe Gen4 M.2 SSD delivers 2X faster data transfer rate of PCIe Gen3 SSDs, which lets you experience the full potential of NVMe drive technology up to real-world speeds of 7415MB/s. Start up your OS nearly instantaneously. Transfer large files lightning fast. Load apps and large music sample libraries in a blink. The Aura Pro IV is the fastest internal storage drive upgrade for Mac and Windows PC performance enthusiasts, content creators, and gamers.

Ready for Everything

The PCIe 4.0 era has begun, and the Aura Pro IV delivers the advancements needed for today's data-intensive, production-level audio, design, and photography workloads. Investing in this new drive standard doesn't mean leaving yesterday behind. Like all well designed technology, the Aura Pro IV is backwards compatible. Whether you have a PCIe 2.0 or 3.0 computer, the Aura Pro IV will deliver incredible performance to push whatever you use your system for – content editing, spatial imaging, database, or gaming - to the limit.

Up Your Game

The Aura Pro IV lets you up your gaming experience to new levels of enjoyment. Start playing and stop waiting with the fastest possible load times. Enjoy a smoother experience with better responsiveness. The Aura Pro IV also prepares you for the future of gaming in Windows 11 with DirectStorage technology which utilizes the high bandwidth of NVMe SSDs to deliver higher game frame rates.

Reliably Fast

Whether you're editing large format video in the field on an ultra-thin notebook or using Affinity Photo to do delicate image retouching on a dedicated workstation, the Aura Pro IV helps you go the distance. By incorporating advanced flash management technologies along with Dynamic SLC caching, the Aura Pro IV delivers exceptional transfer speeds with the highest data integrity and drive reliability.



card like the [OWC Accelsior 1M2](#) to increase speed and storage capacity.

- In a x4/x8/x16 PCIe slot with a multi-drive PCIe M.2 SSD adapter card like the [OWC Accelsior 4M2](#) or [OWC Accelsior 8M2](#) to create the ultimate performance drive for AI, cloud computing, and machine learning.

If your Mac/PC doesn't have an open or compatible PCIe slot but is Thunderbolt compatible, PCIe adapter cards like OWC Accelsior can be used externally in a PCIe Expansion chassis like the [OWC Mercury Helios 3S](#).

Includes

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- (1) OWC Aura Pro IV SSD
- 5 Year OWC Limited Warranty

Specs

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Capacity

- 2000GB Useable Capacity
- Total Flash Memory Components: 2048GB
- 48GB Allocated to real-time data redundancy and error correction

Formatted Capacity

- 1863GiB

Controller

- Rainier IG5236 with 3% over-provisioning

NAND Flash Components

- Micron Triple-Level Cell (TLC) 3D NAND Flash

S.M.A.R.T. Attributes

- Standard attributes supported

Native Command Queuing (NCQ)

- Up to 32 simultaneous commands

RAID Support

- Yes

Form Factor

- M.2 - 2280 "M Key"

Storage Interface

- PCIe 4.0 x4, NVMe 1.4

Random 4K Read

- Up to 730,000 IOPS

Random 4K Write

- Up to 1,100,000 IOPS

**Average Access Time**

- <0.1 ms

Nonrecoverable Read Errors

- 1 per 10¹⁵ bits read

MTBF (Mean Time Between Failures)

- 1,500,000 hours

TRIM Support

- Yes

Security

- Secure Erase (SE)

Endurance

- 1000TB total bytes written (TBW), equal to 392 GB per day for 7 years

Mac OS Compatibility

- Requires additional hardware, please see the 'Other Requirements' section for more details.

PC OS Compatibility

- Windows 11
- Windows 10 32-bit Edition
- Windows 10 64-bit Edition

Other Requirements

- On a Mac, this drive requires a compatible external enclosure. Not a compatible replacement for the internal drive in any Mac computer.

Write Mode (Max)

- Up to 9.1 Watts

Seek Mode (Max)

- Up to 4.2 Watts

Idle Mode (Max)

- Up to 0.3 Watts

Dimensions

- Height: 0.3 cm (0.1 in)
- Length: 8.0 cm (3.1 in)
- Width: 2.2 cm (0.9 in)

Weight

- 7.0 g (0.02 lbs)

RoHS Compliant

- Yes

Ambient Temperature

- Operating: 32°F to 158°F (0°C to 70°C)
- Non-Operating: -40°F to 185°F (-40°C to 85°C)

Humidity

- Operating: 5% to 95% non-condensing

Shock

- Operating: 1500 G max at 0.5 ms