

speed

260 mb/s transfer



Reduced Power Requirements

- No moving parts
- Super-low operating and standby power needs
- Power requirements notably reduced over a typical HD

Fast Performance

- Virtually zero spin up or seek times
- Zero rotational latency
- High sustained high-speed data transfers

Reliable

- No volatile memory elements
- Improved resistance to shock & vibration
- Predictable and manageable failure modes reduce IT costs

Improved Operation

- Noise and vibration free
- Virtually no heat emissions
- Lighter than conventional storage

The Axiom Signature Series SSD for Mac is a high speed mobile SSD geared toward users that demand blazing fast transfer rates, ultra-low power consumption and the ultimate in reliability. With all of those features combined, we've produced the ideal drive to satisfy the most demanding gamers, power-users and road warriors.

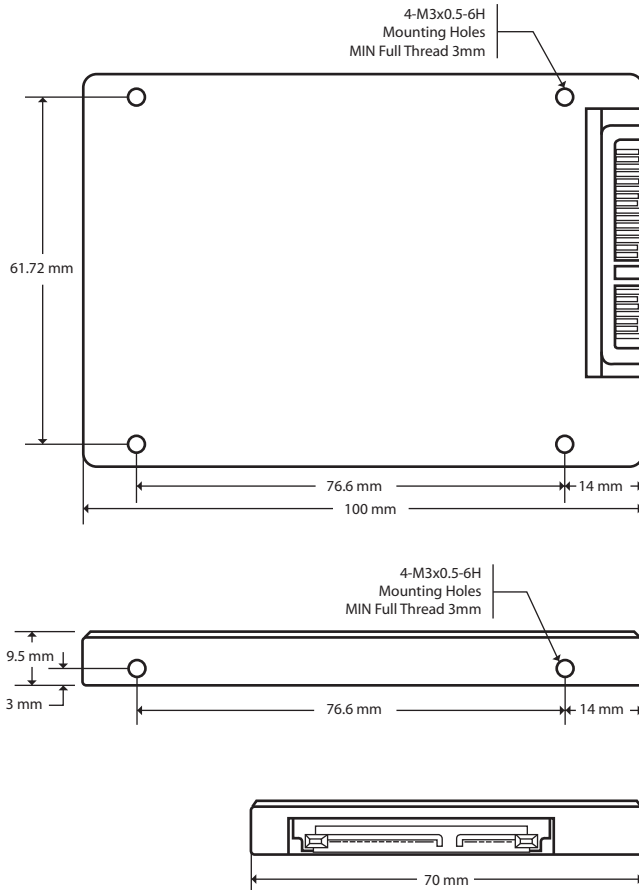
Providing an industry-leading bandwidth of up to 260MB/sec transfers, the Signature Series SSD for Mac can approach the limits of the SATA 3Gb/s interface on large transfers. Performance reaches enterprise class standards with up to 30,000 IOPS.



A robust ECC algorithm and RAISE™ technology protect the data. Efficient bad block management and reduced write amplification further bolster endurance. Drive health is monitored using an SSD-specific set of S.M.A.R.T. attributes. The combination of these techniques provides data protection unrivaled in the storage industry.

Physical Specification

2.5 inch industry standard form factor
 Dimensions (H x W x D) – 9.5 x 70 x 100mm
 Weight < 85g



Made in the U.S.A.

Part Number	Capacity	Type
APLSSDS264-AX	64GB	MLC
APLSSDS2128-AX	128GB	MLC
APLSSDS2256-AX	256GB	MLC
APLSSDS2512-AX	512GB	MLC

Signature Series SSD for Mac Technical Specifications

Features

DuraWrite™ optimizes SSD life
 Ultra-efficient Block Management & Wear Leveling
 Advanced Read Disturb Management
 Intelligent "Recycling" for advanced free space management
 RAISE™ (Redundant Array of Independent Silicon Elements)
 TRIM.Support

Capacity

64GB to 512GB

Host Interface

SATA 2.6 Compliant, 3Gb/s support and 1.5Gb/s support
 Native Command Queuing: 32
 SMART attribute List: Extended

Performance

270 MB/s Read - Sequential Transfer MB/s @ 128K blocks
 260 MB/s Write - Sequential Transfer MB/s @ 128K blocks
 Random Read IOPS @ 4K blocks: up to 30K
 Random Write IOPS @ 4K blocks: up to 30K

Flash Memory Support

Supports MLC type
 Number of Flash Buses: 16

Power Consumption

Typical: 550mW
 Sleep/Slumber: 50mW

Reliability

MTTF (PoH): 2M
 Up to 24 9-bit Symbols Correction per 512 9-bit Symbol
 Non-recoverable Read Errors:
 (Less than 1 sector per bits read) 10^{^16}

Environmental

Operating Temperature 0°C to 70°C

Security

128-bit AES compliant Data Encryption
 User Selectable Password prior to boot
 User Selectable Password runtime
 Secure Erase (Factory Reset - ATA)

Warranty

5 Year Limited Warranty