Axiom is proud to announce its Signature Series SSD product line. Our 4th generation release of high speed mobile SSDs are 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 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.

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
Signature Series SSD

SPECIFICATION SHEET

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

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

Made in the U.S.A.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Capacity</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>SSD25S264-AX</td>
<td>64GB</td>
<td>MLC</td>
</tr>
<tr>
<td>SSD25S2128-AX</td>
<td>128GB</td>
<td>MLC</td>
</tr>
<tr>
<td>SSD25S2256-AX</td>
<td>256GB</td>
<td>MLC</td>
</tr>
<tr>
<td>SSD25S2512-AX</td>
<td>512GB</td>
<td>MLC</td>
</tr>
</tbody>
</table>

© Axiom Memory Solutions. Specifications subject to change without notice.