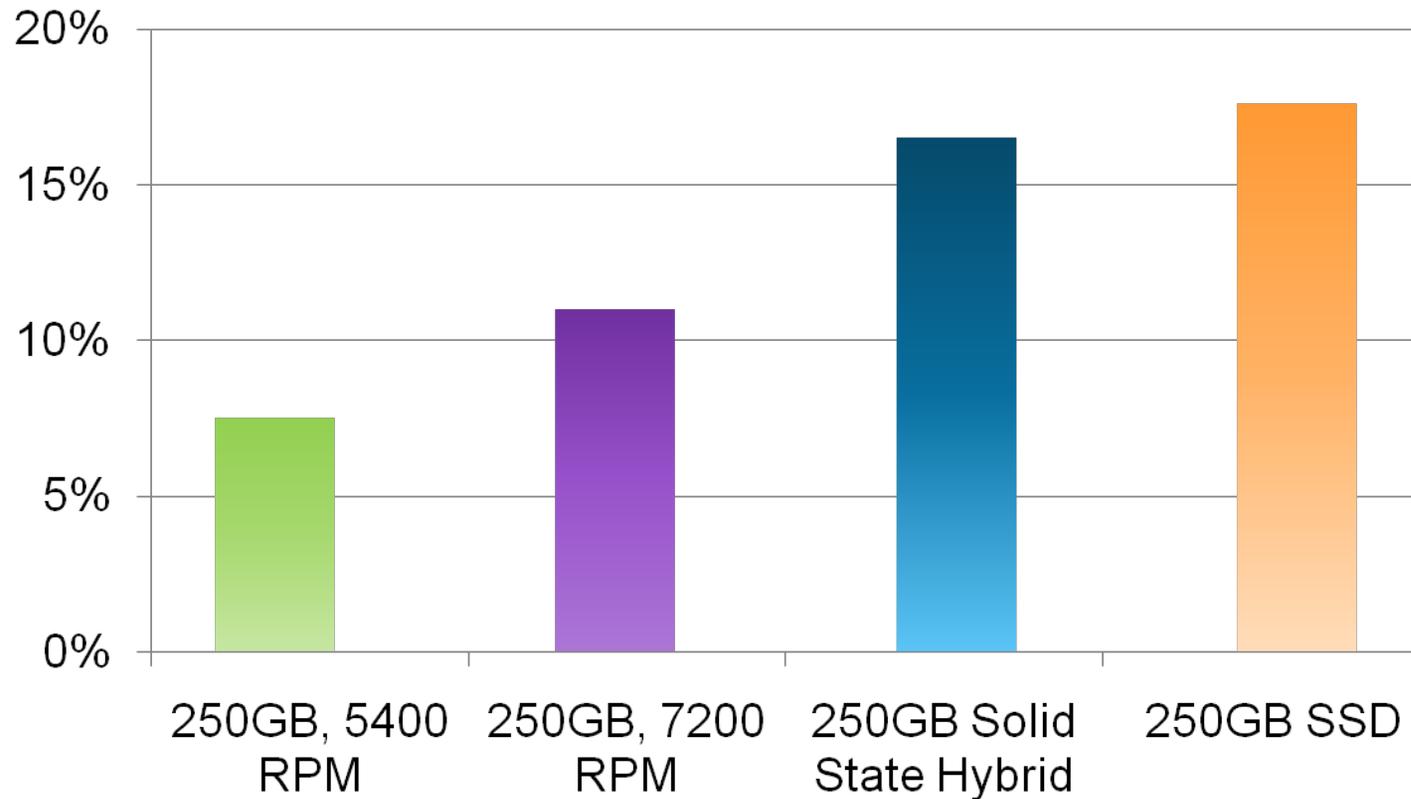# 250GB Solid State Hybrid Performs Like Solid State Drive
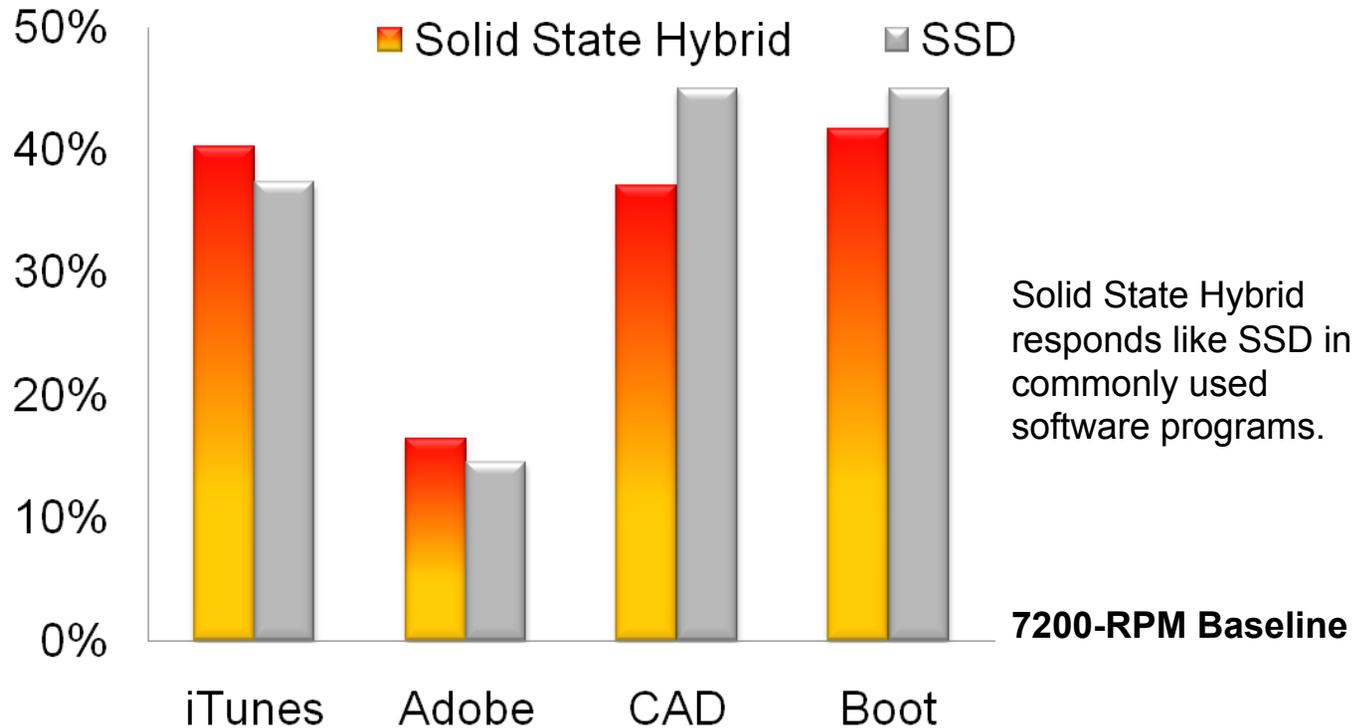
Increased system RAM to 4GB over baseline 2GB RAM
System config: SysMark07p Benchmark: Intel "Penryn" Platform, Vista SP2 64-bit

Demo Times With 7200 RPM, Hybrid and SSD

Performance Advantage vs. 7200 RPM

Solid State Hybrid responds like SSD in commonly used software programs.

7200-RPM Baseline

Source: Seagate Competitive Analysis Benchmark Group. Test system is notebook with Intel i7 Core, running Windows 7 64-bit. SSD comparison above is Best-in-Class 2H'C09 performance MLC SSD.
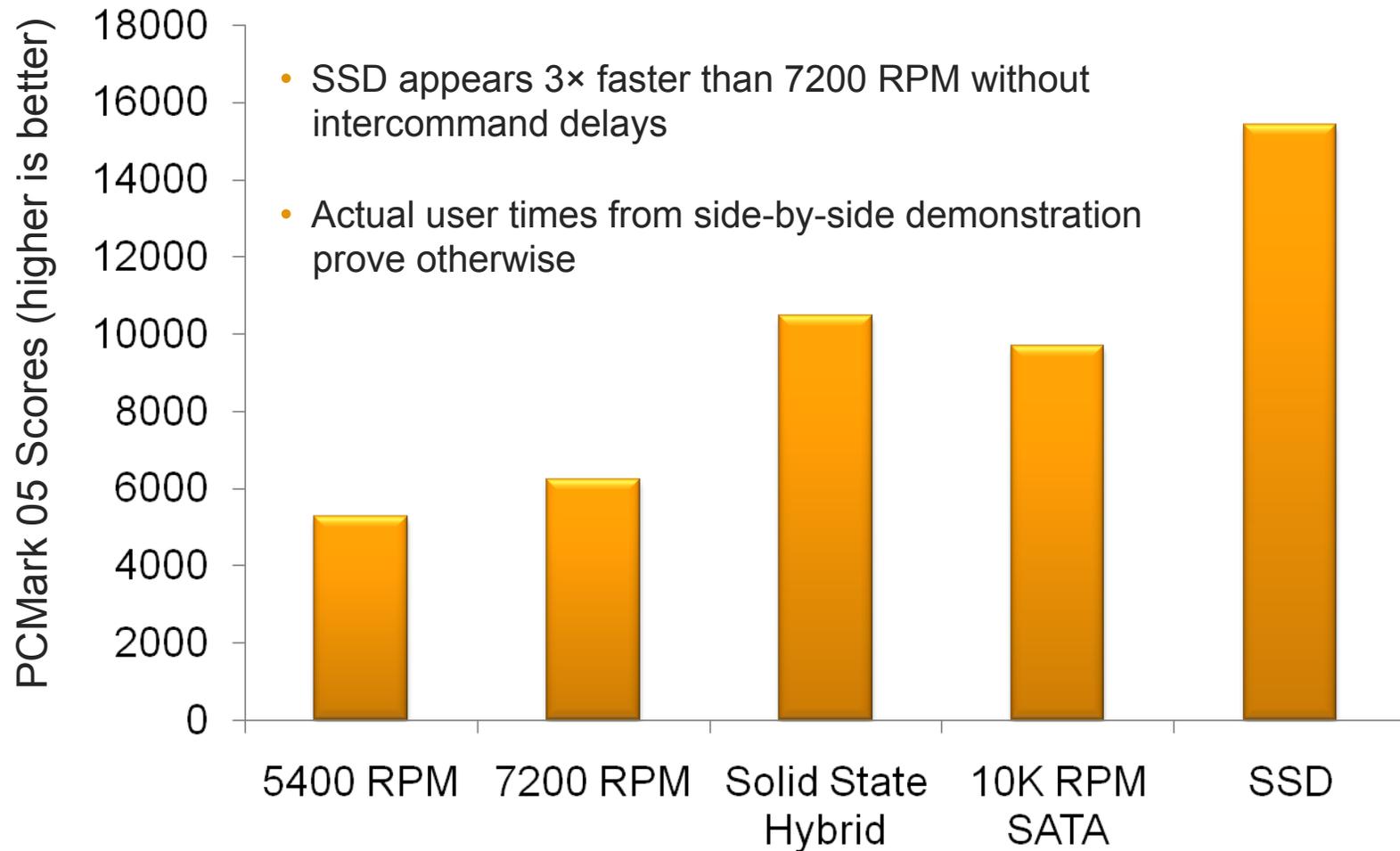
System Benchmark: SysMark07p

- Table of performance % increases over 5400 RPM + 2GB RAM

- End-user list prices

	250GB 5400 RPM	250GB 7200 RPM	250GB Solid State Hybrid	250GB SSD
		+$30 →	+$75 →	+$655 →
2GB RAM	0% Baseline	6.5% $30	12.2% $105	17.9% $760
4GB RAM (+$48)	8.1% $48	11.4% $78	17.1% $153	18.0% $808
8GB RAM (+$408)	8.2% $456	12.2% $486	17.2% $561	18.7% $1216

Source: Seagate Competitive Analysis Benchmark Group. SysMark07p
Benchmark: Intel "Penryn" Platform, Vista SP2 64-bit

Seagate ®

Storage Class Benchmark: PCMark05

PCMark 05 Scores (higher is better)

- SSD appears 3× faster than 7200 RPM without intercommand delays

- Actual user times from side-by-side demonstration prove otherwise

5400 RPM   7200 RPM   Solid State Hybrid   10K RPM SATA   SSD

Source: Seagate Competitive Analysis Benchmark Group. Dell E6400 Laptop,
Intel Core 2 Duo P9600 CPU @ 2.66GHz, 4GB DRAM