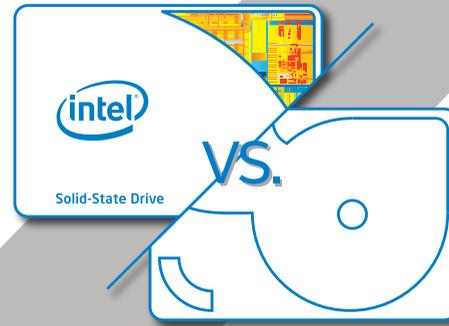


The Drive of Choice



How Intel® Solid-State Drives Stack Up to Hard Disk Drives



Features

Features of Intel® Solid-State Drives include:

- SATA link Power Management
- Device Sleep (DevSleep)
- End-to-End Data Protection
- AES 256 Bit Encryption
- Data Compression



Fast

Optimized Performance of Intel® Solid-State Drives includes:

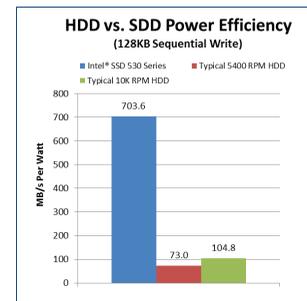
- Sequential read/write up to 5x/4x faster^{1,2}
- Random read/write tests up to 146x/235x faster^{1,2}
- Boot up to 5x faster³
- Launch Microsoft* and Adobe* programs 13x faster³



Power Efficient

Intel® SSDs get the job done faster and allow the system to idle sooner; significantly reducing power consumption.[†]

- Uses 10x less power for the same workload
- Recharge your devices less often and lower your risk of losing valuable data



Benefits of Intel® SSD Ownership

Intel aims to provide the best SSD user experience with dependable and reliable support you can trust.

- Up to a 5 Year Limited Warranty
- Many form factors to fit your platform: 1.8", 2.5", mSATA, and PCIe*
- Award winning Intel® SSD User Toolbox
 - Migration Software - Firmware Update - Drive Performance Optimization
- Extended Distribution and Channel Support
- Personal Customer Support
- intel.com/ssd



Why Intel® Solid-State Drives are The Storage Device of Choice

IOMeter* and Industry Benchmark Competitive Summary

		Intel® SSD Pro 2500 Series 240GB		Typical 5400 RPM Hard Drive	
Performance††		Data sheet¹	Measured††	Data sheet	Measured
4K Random Read IOPs (QD=32)		41K	41K	-	279
4K Random Write IOPs (QD=32)		49K	66K	-	282
Sequential Read 128KB(MB/s) (QD=32)		540	547	147	R: 113; W:114
Sequential Write 128KB (MB/s) (QD=32)		490	504		
Industry Standard Benchmarks		Measured††		Measured††	
		Read	Write	Read	Write
ATTO⁴ (8KB Sequential R/W) MB/s		539	516	69.4	69.5
CrystalDiskMark 3.0.2⁵ (Compressible Data)	Sequential 128K R/W (1GB) MB/s	499	494	69.6	69.2
	Random 4K (QD=32) R/W (1GB) MB/s	220	275	1.1	1.2
PCMark 7*⁶	Overall Score	5,061		2,823	
	System Storage Score	5,466		1,420	

† IO Stimulus PC for Power Measurement: Configuration: Desktop system with Intel® Los Lunas 2 CRB Southbridge: Q77 motherboard, Intel® Core® i5-3550 @ 3.30GHz CPU, 2X2 GB DDR3-665.3 MHZ memory, PNYGTX 550Ti graphics card, and Microsoft Windows* 7 Ultimate 64 bit O/S Power Measurement: Agilent N6705B DC Power Analyzer with respective Firmware Version: Frame-D.01.07 / front-B.01.00. Power Supply Modules: N6762A. Data sampling period was 50ms

†† Software and workloads used in performance tests may have been optimized for performance only on Intel microprocessors. Performance tests, such as IOMeter, are measured using specific computer systems, components, software, operations and functions. Any change to any of those factors may cause the results to vary. You should consult other information and performance tests to assist you in fully evaluating your contemplated purchases, including the performance of that product when combined with other products. IOMeter* test runs were run according to Intel test methodologies and hardware configurations: Desktop system with Intel® DQ77MK motherboard, Intel® Core® i7-3770 @ 3.40GHz CPU, 4X2 GB DDR3 memory, Intel® HD graphics 4000, Intel® Matrix Storage Manager 8.9 storage driver and Microsoft* Windows* 7 Ultimate 64 bit O/S. For more information go to <http://www.intel.com/performance>

- Intel® SSD 530 Series 2.5" 240GB Datasheet: October 2013; Order Number: Order Number: 329212-003US: <http://www.intel.com/content/dam/www/public/us/en/documents/product-specifications/ssd-530-sata-specification.pdf>
- Lenovo* ThinkStation* E30: Intel® Xeon™ E3-1230 v3 @ 3.2GHz; 8GB RAM @ 1333MHz; Windows* 7 Pro SP1 x64; NVIDIA Quadro* 400; File Storage: Windows* Default. Applications include: Microsoft*Office* PowerPoint* 2010 Pro*; Microsoft* Office* Word* 2010 Pro*; Adobe Lightroom* 4.4; Adobe* Photoshop* Elements* 11; AutoDesk* AutoCAD* 2013; AutoDesk* Inventor Fusion* 2013; SolidWorks* 2014 SP3
- ATTO is a benchmark application created by ATTO Technology, Inc. ATTO Technology, Inc., ATTO is a storage connectivity and infrastructure solutions company founded in 1988, headquartered in Amherst, New York.
- CrystalDiskMark is a disk performance benchmark software publically available at <http://crystalmark.info/software/index-e.html>
- PCMark 7 is a complete PC benchmarking solution for Windows 7 and Windows 8. It includes 7 tests combining more than 25 individual workloads covering storage, computation, image and video manipulation, web browsing and gaming. Specifically designed for the full range of PC hardware from netbooks and tablets to notebooks and desktops, PCMark 7 offers complete Windows PC performance testing for home and business use. PCMark 7 is a product of Futuremark: <http://www.futuremark.com/benchmarks/pcmark7>

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