



OCZ Vertex 2 Series

SATA II 2.5in Solid-State Drives

Design & Technology:

Based on a cutting-edge new architecture, Vertex 2 Solid State Drives deliver unprecedented performance while maintaining an affordable storage solution for early adopters looking to update their systems with the latest technology. OCZ designed the Vertex 2 to excel in both sequential and random read/write rates to take your PC or notebook productivity to the next level, featuring superb 4KB random writes up to 50,000 IOPS to give a performance edge over the previous generation. Using the latest controller technology, Vertex 2 not only provides a faster, more responsive PC experience, but promotes cooler, quieter, and more energy efficient conditions compared to traditional mechanical hard drives. Built with SATA 3Gb/s, the Vertex 2 Series easily integrates into today's mobile and desktop platforms and features TRIM support to optimize performance over the drive's lifespan as the ultimate Windows 7 notebook or desktop upgrade.



Applications:

- ✓ Workstation PCs
- ✓ Desktop PCs
- ✓ Notebooks

Part Numbers	RAW Capacity	IDEMA Capacity	UPC
OCZSSD2-2VTX50G	64GB	50GB	842024015994
OCZSSD2-2VTX60G	64GB	60GB	842024025344
OCZSSD2-2VTX80G	96GB	80GB	842024019442
OCZSSD2-2VTX100G	128GB	100GB	842024016007
OCZSSD2-2VTX120G	128GB	120GB	842024020387
OCZSSD2-2VTX160G	192GB	160GB	842024019060
OCZSSD2-2VTX200G	256GB	200GB	842024016014
OCZSSD2-2VTX400G	512GB	400GB	842024016069



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Specifications:

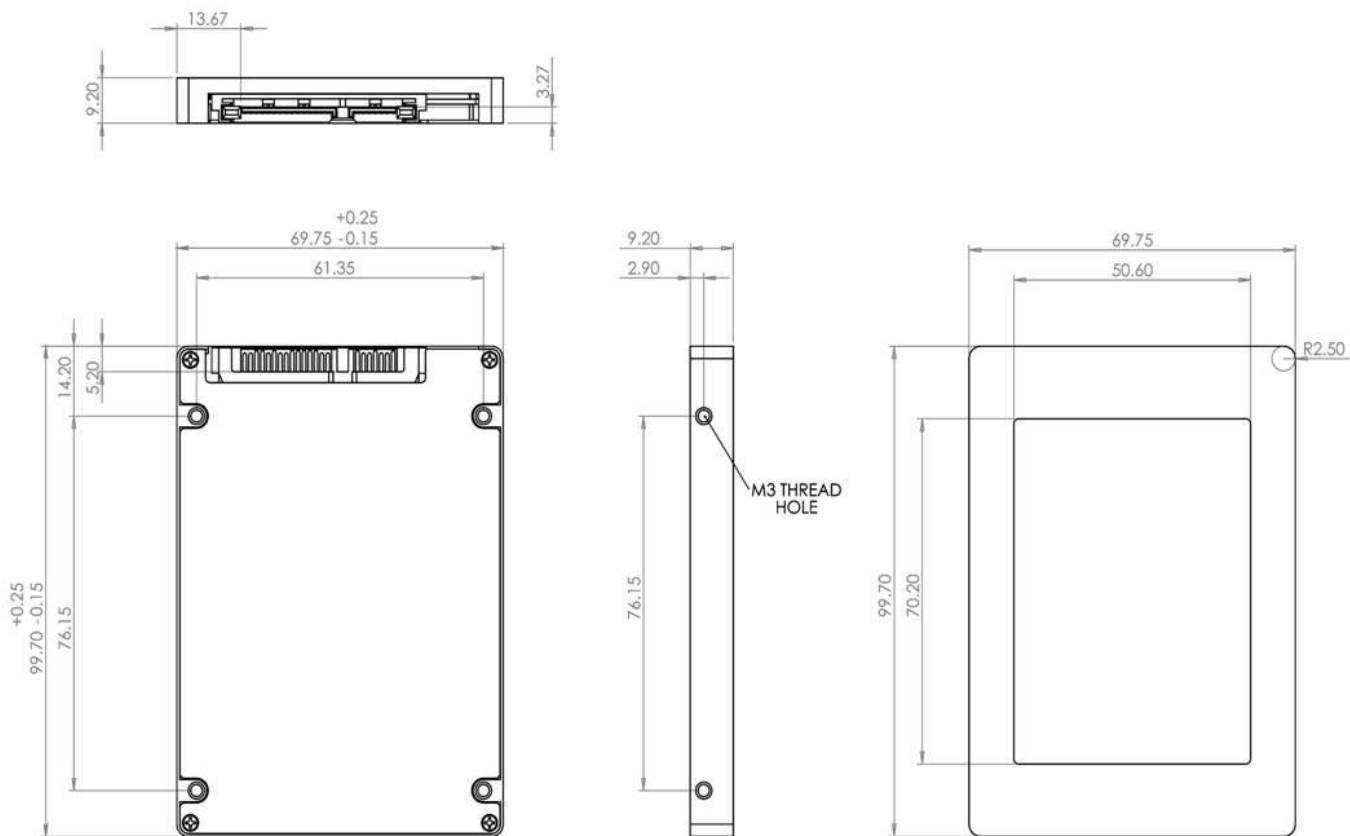
	Vertex 2 40GB	Vertex 2 50–200GB	Vertex 2 400GB
P E R F O R M A N C E			
Max Read ¹	up to 280 MB/s	up to 285 MB/s	up to 250 MB/s
Max Write ¹	up to 270 MB/s	up to 275 MB/s	up to 225 MB/s
Sustained Write ²	up to 200 MB/s	up to 250 MB/s	up to 180 MB/s
4KB Random Write ³	45,000 IOPS	50,000 IOPS	15,000 IOPS
Seek Time	0.1 ms	0.1 ms	0.1 ms
P H Y S I C A L			
Capacities	40GB, 50GB, 60GB, 80GB, 100GB, 120GB, 160GB, 200GB, 400GB		
NAND Components	Multi-Level Cell (MLC)		
Interface	SATA II / 3Gbps		
Form Factor	2.5 Inch		
Controller	SandForce 1222		
Dimensions (L x W x H)	99.8 x 69.63 x 9.3 mm		
Weight	77g		
E N V I R O N M E N T A L			
Power Consumption	Idle: 0.5 Watts Active: 2 Watts		
Operating Temperature	0°C ~ +70°C		
Storage Temperature	–45°C ~ +85°C		
Shock Resistance	1500G		
Certifications	RoHS, CE, FCC		
R E L I A B I L I T Y			
MTBF	2 million hours		
ECC Recovery	Up to 24 bytes correctable per 512-byte sector		
Product Health Monitoring	Self-Monitoring, Analysis and Reporting Technology (SMART)		
C O M P A T I B I L I T Y			
Serial ATA (SATA)	Fully compliant with Serial ATA International Organization: Serial ATA Revision 2.6. Fully compliant with ATA/ATAPI-7 Standard Native Command Queuing (NCQ)		
Operating System	Windows XP 32-Bit and 64-Bit; Windows Vista 32-Bit & 64 Bit; Windows 7 32-Bit and 64-Bit; Linux, Mac OSX (Qualified at Apple Labs)		
Power Requirements	Standard SATA Power Connector		
A D D I T I O N A L F E A T U R E S			
Performance Optimization	TRIM (requires OS support)		
System Integration	Bundled with 3.5" desktop adapter bracket		
Service & Support	3-Year Warranty, Toll-Free Tech Support, 24 Hour Forum Support, Firmware Updates		

¹ Maximum Sequential Speeds are determined using ATTO

² Sustained transfer rate is measured using Iometer 2008, Queue Depth 32, 128KB

³ Small file I/O performance is measured using Iometer 2008, Queue Depth 32, 4KB Aligned

Mechanical Specifications:



NOTE:

1. THIS DRAWING MUST BE USED TO IDENTIFY CRITICAL DIMENSIONS, TOLERANCES AND REFERENCE.
2. INTERPRET DIMENSION AND TOLERANCE PER ANSI 14.5M-1994
3. UNLESS OTHERWISE SEPCIFIED: DIMENSIONS ARE IN MILLIMETERS