

Design & Technology:

The OCZ Vertex Series delivers the speed and reliability of SSDs at a lower price per gigabyte than other offerings currently on the market and is ideal for mainstream mobile and desktop systems. As the first model to use the Indilinx Barefoot controller, the award-winning OCZ Vertex Series is the result of proven SSD technology that has consistently garnered praise from independent review sites for its outstanding performance. Perfect for a first SSD, the Vertex Series delivers enhanced energy efficiency, increased speed, and superior durability and shock resistance over conventional hard disc drives. The OCZ Vertex drives feature a durable yet lightweight alloy housing, and because OCZ SSDs have no moving parts, the drives are more rugged than traditional hard drives. Designed for ultimate reliability, Vertex Series SSDs come backed a leading three year warranty as well as OCZ's legendary service and support, giving you added peace of mind for your high performance investment. Furthermore, OCZ continues to support the drives with firmware updates and an active online SSD community.



Applications:

- ✓ Desktop PCs
- ✓ Notebooks
- ✓ Netbooks

	Part Numbers	UPC
Vertex 30GB (32GB)	OCZSSD2-1VTX30G	842024011385
Vertex 60GB (64GB)	OCZSSD2-1VTX60G	842024011392
Vertex 96GB	OCZSSD2-1VTX96G	842024018346
Vertex 120GB (128GB)	OCZSSD2-1VTX120G	842024011408
Vertex 250GB (256GB)	OCZSSD2-1VTX250G *EOL*	842024011552



OCZ Vertex Series

SATA II 2.5in Solid-State Drives

Specifications:

	Vertex 30GB	Vertex 60GB	Vertex 96GB	Vertex 120GB	Vertex 250GB
--	-------------	-------------	-------------	--------------	--------------

PERFORMANCE

Max Read ¹	up to 210 MB/s	up to 230 MB/s	up to 235 MB/s	up to 250 MB/s	up to 250 MB/s
Max Write ¹	up to 75 MB/s	up to 135 MB/s	up to 170 MB/s	up to 180 MB/s	up to 160 MB/s
Sustained Write ²	-	up to 70 MB/s	up to 100 MB/s	up to 100 MB/s	up to 100 MB/s
4KB Random Write ³	-	-	-	-	-
Seek Time	0.1 ms	0.1 ms	0.1 ms	0.1 ms	0.1 ms

PHYSICAL

Usable Capacities (IDEMA)	32GB, 64GB, 96GB, 128GB, 256GB
NAND Components	Multi-Level Cell (MLC)
Interface	SATA II / 3Gbps
Form Factor	2.5 Inch
Controller	Indilinx Barefoot
Dimensions (L x W x H)	99.8 x 69.63 x 9.3 mm
Weight	77g (may vary slightly depending on capacity)

ENVIRONMENTAL

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

RELIABILITY

MTBF	1.5 million hours
Reliability	BCH: 8 or 12 bits/sector for 128 Bytes spare and 16 bits/sector for 128 Bytes spare size read
Product Health Monitoring	Self-Monitoring, Analysis and Reporting Technology (SMART)

COMPATIBILITY

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

ADDITIONAL FEATURES

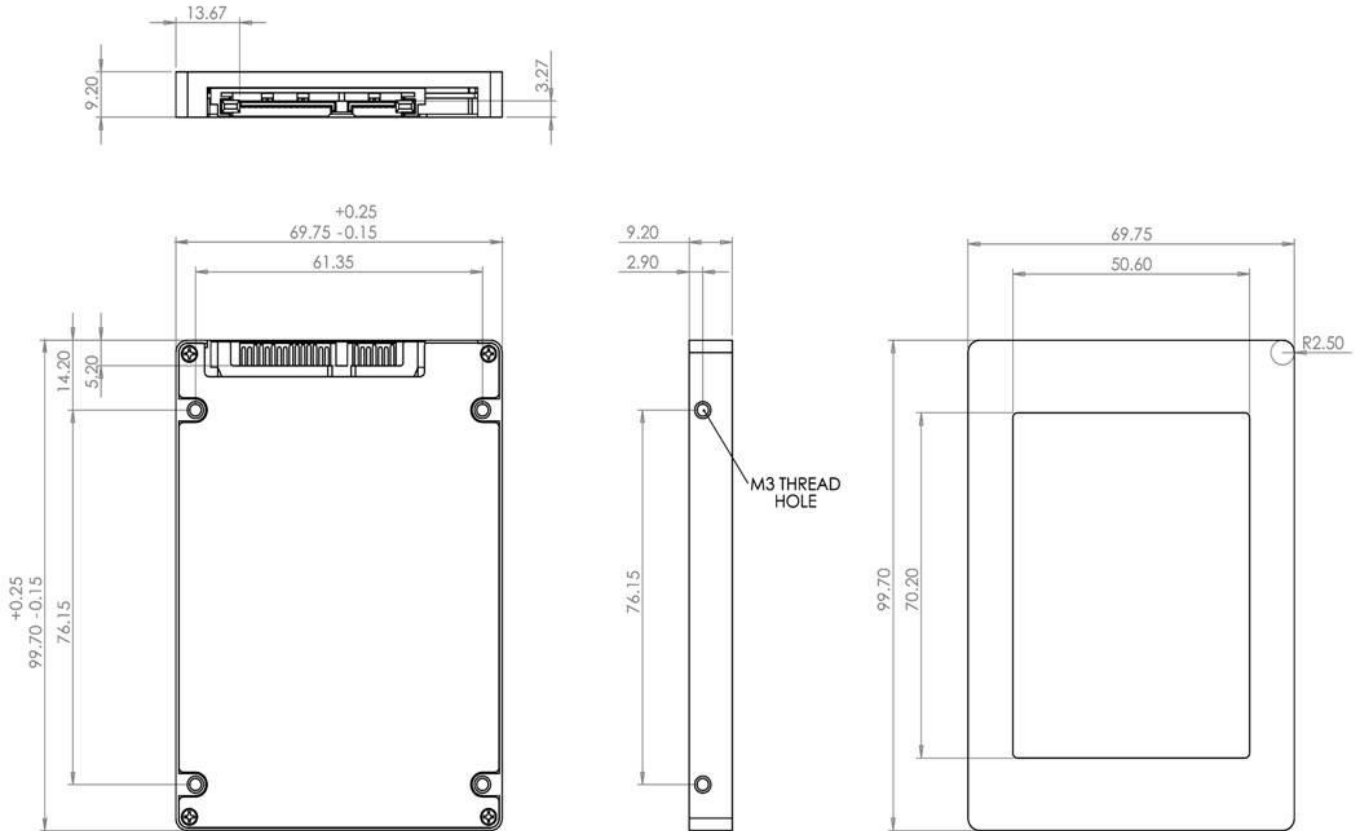
Performance Optimization	TRIM (requires OS support) and idle time garbage collection
Service & Support	3-Year Warranty, Toll-Free Tech Support, 24 Hour Forum Support, Firmware Updates

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