

OCZ Vertex 2 Series SATA II 2.5" SSD

Design and Technology:

Based on a cutting-edge new architecture, Vertex 2 Solid State Drives raise the bar once again and deliver unprecedented performance for the complete gamut of gaming and professional multimedia applications. OCZ designed the Vertex 2 to surpass the competition where it counts most, pushing the limits in both sequential and random read/write rates. With spectacular performance in 4k file writes up to 50,000 IOPS, these latest drives take productivity to the next level with over ten times the performance of 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.

With sheer performance that outpaces the competition, the Vertex 2 doesn't lose sight of what makes an SSD the ideal storage alternative to hard drives and delivers the quality, reliability, and durability demanded by consumers that will not settle for anything but the best. 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

- Notebook PCs



Physical Specifications	
Capacity:	50GB, 100GB, 200GB
NAND Flash Components:	Multi-Level Cell (MLC) NAND Flash Memory
Interface:	SATA II 3.0Gbp/s
Form Factor:	2.5" slim design form factor
Physical Dimensions:	99.8 (L) x 69.63 (W) x 9.3mm (H)

Reliability Specifications	
Life Expectancy:	2 million hours Mean Time Before Failure (MTBF)
Reliability:	ECC: 27 bytes of redundancy per 512 bytes data. Up to twelve 9-bit symbols correctable
Product Health Monitoring:	Self-Monitoring, Analysis and Reporting Technology

Environmental Specifications	
Operating Temperature:	0C ~ 70C
Storage Temperature:	-45C ~ +85C
Shock Resistance:	1500G
Certifications:	RoHS, CE, FCC

Performance Specifications - All Densities	
Max Read:	up to 285MB/s
Max Write:	up to 275MB/s
Sustained Write:	up to 250MB/s
4k Random Write (Aligned):	50,000 IOPS
Seek Time:	0.1 MS
Power Consumption:	Idle: 0.5Watts Active: 2Watts
Performance Optimization:	TRIM (requires OS support)

Compatibility	
SATA:	Fully compliant with Serial ATA International Organization: Serial ATA Revision 2.6. Fully compliant with ATA/ATAPI-7 Standard Native Command Queuing (NCQ)
OS Compatibility:	Windows XP 32 Bit; Windows XP 64 Bit; Windows Vista 32 Bit; Windows Vista 64 Bit; Windows 7 32 Bit; Windows 7 64 Bit; Linux
Power Requirements:	Standard SATA Power Connector

Part Number	UPC
OCZSSD2-2VTX50G	842024015994
OCZSSD2-2VTX100G	842024016007
OCZSSD2-2VTX200G	842024016014

Mechanical Specifications

