

# OCZ Vertex 2 Series SATA II 2.5" SSD

## Design and 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 4k 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.

With solid performance coupled with supreme reliability, the Vertex 2 is designed to push the envelope in storage technology for those who place a premium on speed, reliability and efficiency, but demand the affordability of MLC flash memory. 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	
<b>Capacity:</b>	60GB, 120GB, 240GB
<b>NAND Flash Components:</b>	Multi-Level Cell (MLC) NAND Flash Memory
<b>Interface:</b>	SATA II 3.0Gbp/s
<b>Form Factor:</b>	2.5" slim design form factor
<b>Physical Dimensions:</b>	99.8 (L) x 69.63 (W) x 9.3mm (H)

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

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

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

Compatibility	
<b>SATA:</b>	Fully compliant with Serial ATA International Organization: Serial ATA Revision 2.6. Fully compliant with ATA/ATAPI-7 Standard Native Command Queuing (NCQ)
<b>OS Compatibility:</b>	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
<b>Power Requirements:</b>	Standard SATA Power Connector

Part Number	UPC
<b>OCZSSD2-2VTXE60G</b>	842024018124
<b>OCZSSD2-2VTXE120G</b>	842024018131
<b>OCZSSD2-2VTXE240G</b>	842024018148

## Mechanical Specifications

