

OCZ Vertex 2EX Series SATA II 2.5" SSD

Design and Technology:

Based on a cutting-edge new architecture, Vertex 2EX 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 2EX 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 2EX 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 2EX is designed to push the envelope in storage technology for those who place a premium on speed, reliability and efficiency. Built with SATA 3Gb/s, the Vertex 2EX 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:

- Workstations - Prosumers - Servers

Physical Specifications	
Capacity:	50GB, 100GB, 200GB
NAND Flash Components:	Single-Level Cell (SLC) 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:	10 million hours Mean Time Before Failure (MTBF)
Reliability:	ECC: 27 bytes of redundancy per 512 bytes data. Up to twelve 9-bit symbols correctable
Data Protection:	SuperCap Protection Circuitry
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	
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: 0.7 Watts Active: 2 Watts
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
OCZSSD2-2VTXEX50G	842024017387
OCZSSD2-2VTXEX100G	842024017394
OCZSSD2-2VTXEX200G	842024018766



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Mechanical Specifications

