



Product Name: OCZ Vertex 450 Series 2.5" SATA III SSD

Short Product Description

Get to know next-generation storage at its finest. Using the latest 20nm NAND flash process, OCZ Vertex 450 SSDs deliver performance and reliability designed to empower your laptop or desktop to be faster and more responsive.

Extended Product Description

Storage designed for today's multimedia, multitasking world.

Engineered by longtime SSD experts, the OCZ Vertex 450 Series delivers the performance, productivity, and energy efficiency missing from your current system. Clear your life of computer lag, and get a computing experience worthy of your time.

Proving storage can—and should—do more than store.

Vertex 450 SSDs dramatically accelerate gaming, content creation, and multimedia applications, while driving an improved overall computing experience. Imagine faster file transfers, quicker boot ups, and system responsiveness that makes you wonder why you stuck with that hard drive for so long. Get to know next-generation storage at its finest.

If you want lasting reliability, durability, and stealth operation, here it is.

With revolutionary SSD quality and technology in every drive, the Vertex 450 Series is built to provide years of hard drive-humiliating performance.

Product Features

- Cutting-edge OCZ proprietary controller technology, the Barefoot 3 M10, delivers superior performance and endurance without compression or loss of usable capacity
- Advanced suite of NAND flash management keeps your drive at higher sustained performance over the long term
- Designed for ultimate reliability with in-house technology and high quality components based on the latest technology
- Excels in both incompressible and compressible data types such as multimedia, encrypted data,. ZIP files and software
- Bundled with a 3.5-inch desktop adapter bracket and Acronis® True Image™ cloning software with Windows® 8 support to easily transfer data from your old hard drive
- Sleek alloy housing offers slimmer 7mm z-height for compatibility with the latest thinner form factor notebooks

PERFORMANCE	128GB	256GB	512GB
Sequential Read Speed	525 MB/s	540 MB/s	540 MB/s
Sequential Write Speed	290 MB/s	525 MB/s	530 MB/s
Random Read Speed (4K, QD32)	75,000 IOPS	85,000 IOPS	85,000 IOPS
Random Write Speed (4K, QD32)	70,000 IOPS	90,000 IOPS	90,000 IOPS

For product questions, please contact your OCZ rep or marketing@ocztechnology.com



VERTEX 450 SSD

SKU LAUNCH DATE 05.23.2013



PHYSICAL SPECIFICATIONS

Usable Capacities	128GB, 256GB, 512GB
NAND Components	20nm Multi-Level Cell (MLC) Flash
Interface	SATA 3.0 6Gb/s
Controller	Indilinx Barefoot 3
Form Factor	2.5-inch; ultra-slim 7mm
Dimensions	99.7 (L) x 69.75 (W) x 7mm (H)
Drive Weight	115g

ENVIRONMENTAL SPECIFICATIONS

Power Consumption	128GB	256GB-512GB
Idle	0.55W	0.60W
Active	2.15W	2.65W
Operating Temperature	0°C ~ 55°C	
Storage Temperature	-45°C ~ 85°C	
Shock Resistance	1500G/0.5ms	
Certifications	RoHS, CE, FCC, KCC, C-Tick, BSMI, VCCI, UL	

RELIABILITY / COMPATIBILITY SPECIFICATIONS

Data Path Protection	BCH ECC corrects up to 28 random bits/1KB
Product Health Monitoring	Self-Monitoring, Analysis and Reporting Technology (SMART) Support
Endurance	Rated for 20GB/day of host writes for 3 years under typical client workloads
Serial ATA	Fully compliant with Serial ATA International Organization: Serial ATA Revision 3.0. Fully compliant with ATA/ATAPI-8 Standard Native Command Queuing (NCQ)
Operating Systems	Windows, Mac, Linux



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ADDITIONAL

Performance Optimizations	TRIM (requires OS support), Idle Time Garbage Collection
Package Contents	Acronis True Image HD cloning software* registration key; 3.5" desktop adaptor
Warranty	3-Year Warranty, Toll-Free Tech Support, 24 Hour Forum Support

*Current version of Acronis TrueImage HD supports Windows XP, Vista, 7, & 8

Drive Model	Part Number	UPC
128GB	VTX450-25SAT3-128G	842024033813
256GB	VTX450-25SAT3-256G	842024033820
512GB	VTX450-25SAT3-512G	842024033837

Shipping Weight	230g	Unboxed Product Weight	115g
Harmonized Tariff Code	8471.70	Schedule B	8471.70.9000
ECCN	5A992.c	Country of Origin	Taiwan