



VECTOR SSDs

Groundbreaking Solid-State Storage from OCZ

The industry's best SSDs just got better.

Meet the storage expectations you didn't know you had. Engineered by longtime SSD experts, the OCZ Vector Series delivers a new level of untouchable performance, endurance, and reliability designed to empower your laptop or desktop to be all it can be.

There is a faster, more responsive computing experience inside each box.

Imagine faster file transfers, quicker boot ups, and a computer that responds the way it was designed to (minus the hard drive) and you've got yourself a Vector SSD. It's a 2.5-inch solid state powerhouse.

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

With groundbreaking SSD quality and technology in every drive, the Vector Series is built to provide years of hard drive-humiliating performance that is second to no other storage solution.

Product Highlights

- Cutting-edge controller technology delivers maximum performance and superior 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
- 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 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





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PHYSICAL SPECIFICATIONS

Usable Capacities	128GB, 256GB, 512GB
NAND Components	25nm 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	Idle: 0.9W Active: 2.25W
Operating Temperature	0°C ~ 55°C
Storage Temperature	-45°C ~ 85°C
Shock Resistance	1500G/0.5ms
Vibration (Operational)	2.17Grms (7-800Hz)
Vibration (Non-operational)	16.3Grms (20-2000Hz)
Certifications	RoHS, CE, FCC, KCC, C-Tick, VCCI, BSMI

PERFORMANCE

	128GB	256GB	512GB
Sequential Read Speed	550 MB/s	550 MB/s	550 MB/s
Sequential Write Speed	400 MB/s	530 MB/s	530 MB/s
Random Read Speed (4K, QD32)	90,000 IOPS	100,000 IOPS	100,000 IOPS
Random Write Speed (4K, QD32)	95,000 IOPS	95,000 IOPS	95,000 IOPS

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 5 years under typical client workloads
MTBF	1.3 million hours
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

ADDITIONAL

Performance Optimizations	TRIM (requires OS support), Idle Time Garbage Collection
Package Contents	Acronis cloning software* registration key; 3.5" desktop adaptor
Warranty	5-Year Warranty, Toll-Free Tech Support, 24 Hour Forum Support

Drive Model	Part Number	UPC
128GB	VTR1-25SAT3-128G	842024033004
256GB	VTR1-25SAT3-256G	842024032342
512GB	VTR1-25SAT3-512G	842024032335

*Current version of Acronis True Image HD supports Windows XP, Vista, and 7

