



## Vector 180 Series

SATA III 2.5" SSD



Developed by the most awarded SSD brand of all time, OCZ Vector 180 SSDs offer the be-all and end-all of feature-sets for the most demanding users who won't settle for anything but the best. Featuring enhanced performance, reliability, and endurance, the Vector 180 series provides a flash storage solution second to none.

**It's everything you know about SSDs, but better.**

### The Enthusiast's SSD

You say you want only the best components in your system? Well here is your next SSD. Vector 180 was designed to redefine best-in-class storage and built to excel in high-end computing environments.

### Unbeatable Performance

Only the fastest boot ups, file transfers, and system responsiveness are acceptable for Vector 180 users. Say goodbye to every form of storage lag and get a computing experience worthy of your time.

### The Epitome of Reliability

With superior reliability in mind, Vector 180 SSDs feature Power Failure Management Plus (PFM+) to protect the drive in the event of system power loss, ensuring you're up and running again in no time.

### Maximum Speed. Zero Tricks.

Vector 180 offers real world performance that you won't get with any other solution. No fancy behind-the-scenes tricks, just pure storage performance.

### Quality and Durability from the Inside Out

With Toshiba technology built into every drive, each Vector 180 SSD is engineered for superior quality as well as durability with its premium alloy housing.

## Product Highlights

- Proprietary OCZ Barefoot 3 controller technology combined with the latest Toshiba A19nm flash
- Power Failure Management Plus (PFM+) helps prevent 'brick drive syndrome' that can occur during sudden power losses
- Advanced firmware suite of NAND flash management keeps your drive at higher sustained performance over the long term comparing to competing solutions
- Excellent endurance rating at 50GB/day of host writes for 5 years perfect for power user applications and workloads
- 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 and Acronis® True Image™ cloning software to easily transfer data from your old hard drive or SSD
- Sleek housing offers slimmer 7mm z-height for compatibility with the ultra-thin notebooks
- OCZ ShieldPlus Warranty - an elite worry-free customer service experience, which eliminates all the hassle surrounding traditional support and warranty claims consumers often have to deal with



OCZ SHIELDPLUS  
WARRANTY



Performance	120GB	240GB	480GB	960GB
Sequential Read Speed <sup>1</sup>	550 MB/s	550 MB/s	550 MB/s	550 MB/s
Sequential Write Speed <sup>1</sup>	450 MB/s	530 MB/s	530 MB/s	530 MB/s
Random Read (4KB QD32) <sup>2</sup>	85,000 IOPS	95,000 IOPS	100,000 IOPS	100,000 IOPS
Random Write (4KB QD32) <sup>2</sup>	90,000 IOPS	90,000 IOPS	95,000 IOPS	95,000 IOPS
Steady State Random Write (4K QD32) <sup>3</sup>	12,000 IOPS	20,000 IOPS	23,000 IOPS	20,000 IOPS

1. Maximum sequential speeds measured with ATTO

2. KB random performance is measured with Crystal Disk Mark, 1000MB test file size, QD32

3. Steady State performance measured with IOMeter 2010 after a 12hr precondition according to SNIA guidelines

## Physical

Usable Capacities (IDEMA)	120GB, 240GB, 480GB, 960GB
NAND Components	Toshiba A19nm Multi-Level Cell (MLC)
Interface	Serial ATA (SATA) 6Gb/s (SATA III)
Form Factor	2.5 inch, 7mm height (fits ultra-thin notebooks)
NAND Controller	OCZ Barefoot 3 M00
Dimensions	99.7 x 69.75 x 7 mm
Drive Weight	115g

## Reliability / Security

MTBF	2.3 million hours
Encryption	AES-256
Data Path Protection	BCH ECC corrects up to 44 random bits/1KB
Product Health Monitoring	Self-Monitoring, Analysis and Reporting Technology (SMART) Support
Endurance	Rated for 50GB/day of host writes for 5 years under typical client workloads
Additional Reliability Protection	Power Failure Management Plus (PFM+) helps prevent 'brick drive syndrome' that can occur during sudden power losses

## Compatibility

Serial ATA	Fully compliant with Serial ATA International Organization: Serial ATA Revision 3.2. Fully compliant with ATA/ATAPI-8 Standard Native Command Queuing (NCQ)
Operating System	Windows, Linux, Mac OSX
Power Requirements	Standard SATA Power Connector
Targeted Applications	Client workstations and laptops



## Environmental

<b>Power Consumption</b>	Idle: 0.85W Active: 3.7W
<b>Operating Temperature</b>	0°C ~ 70°C
<b>Storage Temperature</b>	-45°C ~ 85°C
<b>Shock Resistance</b>	1000G/0.5ms
<b>Vibration (Operational)</b>	2.17 Grms (7-800 Hz)
<b>Vibration (Non-operational)</b>	3.13 Grms (5-800 Hz)
<b>Altitude (Operational)</b>	-1,000 ft. to 10,000 ft.
<b>Altitude (Non-operational)</b>	-1,000 ft. to 40,000 ft.
<b>Certifications</b>	UL C/US, FCC, CE, C-Tick, KCC, BSMI, VCCI, WEEE

## Additional

<b>Performance Optimizations</b>	TRIM (requires OS support), Idle Time Garbage Collection
<b>Service &amp; Support</b>	5-Year ShieldPlus Warranty, Toll-Free Tech Support, 24 Hour Forum Support, Firmware Updates
<b>Included Software</b>	Bundled with Acronis True Image HD* cloning software registration key
<b>Included Accessories</b>	3.5" SSD desktop adapter bracket

\*Current version of Acronis True Image HD supports Windows XP, Windows Vista, Windows 7, and Windows 8

Ordering Information	Model	Part Number	UPC
<b>Vector 180</b>	120GB	VTR180-25SAT3-120G	842024037200
	240GB	VTR180-25SAT3-240G	842024036548
	480GB	VTR180-25SAT3-480G	842024036555
	960GB	VTR180-25SAT3-960G	842024036562