



# Vertex 460 SSDs

SKU LAUNCH DATE 01.21.2014



Product Name: **OCZ Vertex 460 Series 2.5" SATA III SSD**

## Short Product Description

Make the shift to next generation OCZ Vertex 460 SSD. Combining OCZ's own controller design with the latest generation of flash, Vertex 460 keeps your computing experience ahead of the game. A faster, snappier, and more reliable system is what you can expect from a high-performance yet value-minded Vertex 460 upgrade.

## Extended Product Description

### It's storage for your multimedia, multitasking world

The OCZ Vertex 460 Series delivers the performance, productivity, and energy efficiency your system is craving. Say goodbye to lag and get a computing experience worthy of your time.

### Performance that matters

Do you write a lot of data? Vertex 460 delivers leading write speeds that you won't get with any other solution. No fancy behind-the-scenes tricks, just pure storage performance.

### Do more than just store

Imagine faster file transfers, snappier boot ups, and system responsiveness that makes you wonder why you put up with that hard drive for so long.

### Reliability and durability from the inside out

With quality SSD technology built into every drive, the Vertex 460 Series is built to provide years of hard drive-humiliating performance. Ditch that spinning HDD for some storage peace of mind.

## Product Features

- Proprietary Barefoot 3 M10 controller technology delivers superior performance and endurance, combined with the latest generation 19nm flash as OCZ's most cost-effective SSD upgrade option
- Advanced suite of NAND flash management keeps your drive at higher sustained performance over the long term
- Designed for ultimate reliability at an excellent value with in-house technology and high quality components
- Putting emphasis on client workload endurance, rated at 20GB/day of host writes for 3 years
- 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 ultra-thin notebooks

## PERFORMANCE

	120GB	240GB	480GB
Sequential Read Speed	530 MB/s	540 MB/s	545 MB/s
Sequential Write Speed	420 MB/s	525 MB/s	525 MB/s
Random Read Speed (4K, QD32)	80,000 IOPS	85,000 IOPS	95,000 IOPS
Random Write Speed (4K, QD32)	90,000 IOPS	90,000 IOPS	90,000 IOPS
Steady State Random Write (4K, QD32)	12,000 IOPS	21,000 IOPS	23,000 IOPS

For product questions, please contact your OCZ rep or [marketing@ocztechnology.com](mailto:marketing@ocztechnology.com)



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## PHYSICAL SPECIFICATIONS

<b>Usable Capacities</b>	120GB, 240GB, 480GB
<b>NAND Components</b>	19nm Multi-Level Cell (MLC) Flash
<b>Interface</b>	SATA 3.0 6Gb/s
<b>Controller</b>	Barefoot 3 M10
<b>Form Factor</b>	2.5-inch; ultra-slim 7mm
<b>Dimensions</b>	99.7 (L) x 69.75 (W) x 7mm (H)
<b>Drive Weight</b>	113g

## ENVIRONMENTAL SPECIFICATIONS

<b>Power Consumption</b>	Idle: 0.60W    Active: 2.70W
<b>Operating Temperature</b>	0°C ~ 70°C
<b>Storage Temperature</b>	-45°C ~ 85°C
<b>Shock Resistance</b>	1500G/0.5ms
<b>Vibration (Operational)</b>	2.17Grms (7-800Hz)
<b>Vibration (Non-Operational)</b>	16.3Grms (20-2000Hz)
<b>Certifications</b>	UL C/US, FCC, CE, C-Tick, KCC, BSMI, VCCI, WEEE

## RELIABILITY / COMPATIBILITY SPECIFICATIONS

<b>Data Path Protection</b>	BCH ECC corrects up to 44 random bits/1KB
<b>Product Health Monitoring</b>	Self-Monitoring, Analysis and Reporting Technology (SMART) Support
<b>Endurance</b>	Rated for 20GB/day of host writes for 3 years under typical client workloads
<b>Encryption</b>	AES-256 compliant
<b>MTBF</b>	2 million hours
<b>Operating Systems</b>	Windows, Mac, Linux
<b>Targeted Applications</b>	Client workstations and laptops

## ADDITIONAL

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

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



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Drive Model	Part Number	UPC
120GB	VTX460-25SAT3-120G	842024036234
240GB	VTX460-25SAT3-240G	842024036241
480GB	VTX460-25SAT3-480G	842024036258



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<b>Shipping Weight</b>	245g	<b>License Exemption</b>	NLR, ERN R101799
<b>Harmonized Tariff Code</b>	8471.70.9000	<b>Schedule B</b>	8471.70.9000
<b>ECCN</b>	5A992.c	<b>Country of Origin</b>	Taiwan