Vertex 460A Series

SATA III 2.5" SSD

OCZ, the most awarded SSD brand of all time, introduces the Vertex 460A for those seeking a high-performance yet value-minded SSD. Combining OCZ's own controller design and Toshiba's latest generation of flash, Vertex 460A keeps your system ahead of the game and delivers a faster, more responsive PC experience.

It's storage for your multimedia, multitasking world

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

Performance that matters

Do you write a lot of data? Vertex 460A 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 Toshiba technology built into every drive, the Vertex 460A Series is built to provide years of hard drive-humiliating performance. Ditch that spinning mechanical hard drive for some storage peace of mind.

Product Highlights

- Proprietary Barefoot 3 M10 controller technology delivers superior performance and endurance, combined with the latest Toshiba A19nm flash as OCZ's most cost-effective performance SSD upgrade

- 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 Toshiba 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

- OCZ's ShieldPlus 3 Year Warranty: A service that eliminates all the hassle surrounding support and warranty claims. NO shipping costs and NO hassle.

OCZ SHIELDPLUS WARRANTY

Performance	120GB	240GB	480GB
Max Read[1]	530 MB/s	540 MB/s	545 MB/s
Max Write[1]	420 MB/s	525 MB/s	525 MB/s
Random Read (4K QD32)[2]	80,000 IOPS	85,000 IOPS	95,000 IOPS
Random Write (4K QD32)[2]	90,000 IOPS	90,000 IOPS	90,000 IOPS
Steady State Random Write (4K QD32)[3]	12,000 IOPS	21,000 IOPS	23,000 IOPS

1. Maximum sequential speeds measured with ATTO
2. 4KB random performance is measured using IOMeter 2010
3. Steady State performance measured with IOMeter 2010 after a 12hr precondition according to SNIA guidelines

Physical Specifications

Usable Capacities (IDEMA)	120GB, 240GB, 480GB
NAND Components	Toshiba A19nm Multi-Level Cell (MLC)
Interface	Serial ATA (SATA) 6Gb/s (SATA III)
Form Factor	2.5 inch, 7mm height
NAND Controller	Indilinx Barefoot 3 M10
Dimensions	99.7 x 69.75 x 7 mm
Drive Weight	113g

Reliability / Security Specifications

MTBF	2.0M 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 20GB/day of host writes for 3 years under typical client workloads

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

OCZ may make changes to specifications and product descriptions at any time, without notice.

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Environmental Specifications

Power Consumption	Idle: 0.60W Active: 3.45W
Operating Temperature	0°C - 70°C
Storage Temperature	-45°C - 85°C
Shock Resistance	1000G/0.5ms
Vibration (Operational)	2.17Grms (7-800Hz)
Vibration (Non-operational)	3.13Grms (5-800Hz)
Altitude (Operational)	-1,000ft. to 10,000ft
Altitude (Non-operational)	-1,000ft. to 40,000ft
Certifications	UL C/US, FCC, CE, C-Tick, KCC, BSMI, VCCI, WEEE

Additional

Performance Optimizations	TRIM (requires OS support), Idle Time Garbage Collection
Service & Support	3-Year ShieldPlus Warranty, Toll-Free Tech Support, 24 Hour Forum Support, Firmware Updates
Software	Bundled with Acronis True Image HD*

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

Ordering Information

	Model	Part Number	UPC
Vertex 460A	120GB	VTX460A-25SAT3-120G	842024036982
	240GB	VTX460A-25SAT3-240G	842024036999
	480GB	VTX460A-25SAT3-480G	842024037002