

OCZ Solid State Drive Breakdown

Delivering performance, versatility, and reliability that other SSD lines cannot offer



2.5 inch SATA III	Capacity	Max Read	Max Write	Random 4K Write	Technology	NAND			
Vertex 4 Series - Rethinking storage performance and endurance with a cutting-edge new architecture Product Page									
VTX4-25SATA3-64G	64GB	460MB/s	220MB/s	70,000 IOPS	Indilinx Everest 2 Ndurance™ 2.0 ¹ Latency reduction Up to 1GB cache	Sync MLC			
VTX4-25SATA3-128G	128GB	560MB/s	430MB/s	90,000 IOPS					
VTX4-25SATA3-256G	256GB	560MB/s	510MB/s	90,000 IOPS					
VTX4-25SATA3-512G	512GB	560MB/s	510MB/s	95,000 IOPS					
Vertex 3 Max IOPS Series - Maximizes data throughput with increased random IOPS performance Product Page									
VTX3MI-25SAT3-120G	120GB	550MB/s	500MB/s	75,000 IOPS	SandForce 2200	Toggle MLC			
VTX3MI-25SAT3-240G	240GB	550MB/s	500MB/s	65,000 IOPS					
Vertex 3 Series - Excellent performance & endurance for write-intensive applications Product Page 7mm Product Page									
VTX3-25SAT3-60G	60GB	535MB/s	480MB/s	60,000 IOPS	SandForce 2200 Also in Low-Profile 7mm models	Sync MLC			
VTX3-25SAT3-90G	90GB	550MB/s	500MB/s	60,000 IOPS					
VTX3-25SAT3-120G	120GB	550MB/s	500MB/s	60,000 IOPS					
VTX3-25SAT3-128G	128GB	550MB/s	500MB/s	60,000 IOPS					
VTX3-25SAT3-240G	240GB	550MB/s	500MB/s	60,000 IOPS					
VTX3-25SAT3-256G	256GB	550MB/s	520MB/s	60,000 IOPS					
VTX3-25SAT3-480G	480GB	530MB/s	450MB/s	40,000 IOPS					
VTX3-25SAT3-512G	512GB	530MB/s	450MB/s	29,000 IOPS					
Agility 4 Series - Putting performance back into value Product Page									
AGT4-25SAT3-64G	64GB	535MB/s	480MB/s	60,000 IOPS	Indilinx Everest 2 Ndurance™ 2.0 ¹ Latency reduction 512MB Cache	Async MLC			
AGT4-25SAT3-128G	128GB	550MB/s	500MB/s	60,000 IOPS					
AGT4-25SAT3-256G	256GB	550MB/s	500MB/s	60,000 IOPS					
AGT4-25SAT3-512G	512GB	550MB/s	500MB/s	60,000 IOPS					
Agility 3 20nm Series - Built to provide an exceptional balance of SATA III performance and the best bang for your buck Product Page									
AGT3-25SAT3-120G.20	120GB	550MB/s	530MB/s	59,000 IOPS	SandForce 2200	20nm MLC			
Agility 3 Series - Built to provide an exceptional balance of SATA III performance and value Product Page									
AGT3-25SAT3-60G	60GB	525MB/s	475MB/s	50,000 IOPS	SandForce 2200	Async MLC			
AGT3-25SAT3-64G	64GB		475MB/s	50,000 IOPS					
AGT3-25SAT3-90G	90GB		500MB/s	50,000 IOPS					
AGT3-25SAT3-120G	120GB		500MB/s	50,000 IOPS					
AGT3-25SAT3-128G	128GB		500MB/s	50,000 IOPS					
AGT3-25SAT3-180G	180GB		500MB/s	50,000 IOPS					
AGT3-25SAT3-240G	240GB		500MB/s	45,000 IOPS					
AGT3-25SAT3-256G	256GB		500MB/s	45,000 IOPS					
AGT3-25SAT3-360G	360GB		495MB/s	25,000 IOPS					
AGT3-25SAT3-480G	480GB		410MB/s	22,000 IOPS					
AGT3-25SAT3-512G	512GB		410MB/s	22,000 IOPS					
Octane Series - Provides a superior combination of affordability and performance Product Page									
OCT1-25SAT3-128G	128GB		470MB/s	210MB/s			18,000 IOPS	Indilinx Everest Latency reduction Ndurance™ 512MB Onboard Cache	Sync MLC
OCT1-25SAT3-256G	256GB	480MB/s	310MB/s	25,000 IOPS					
OCT1-25SAT3-512G	512GB	480MB/s	330MB/s	26,000 IOPS					
OCT1-25SAT3-1T	1TB	460MB/s	330MB/s	24,000 IOPS					
Petrol Series - SSD performance at an incredible value for cost-sensitive applications Product Page									
PTL1-25SAT3-64G	64GB	185MB/s	95MB/s	7,800 IOPS	Indilinx Everest Ndurance™ Latency reduction 512MB Onboard Cache	Async MLC			
PTL1-25SAT3-128G	128GB	360MB/s	180MB/s	14,500 IOPS					
Synapse Cache Series - Intelligent Caching Software enables SSD performance across the entire capacity of your HDD Product Page									
SYN-25SAT3-64G	64GB*	550MB/s	490MB/s	75,000 IOPS	SandForce 2200 Dataplex™ Caching Software	MLC			
SYN-25SAT3-128G	128GB*	550MB/s	510MB/s	80,000 IOPS					

*Synapse Cache SSDs feature 50% NAND flash overprovisioning to accommodate performance and software features

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3.5 inch SATA III	Capacity	Max Read	Max Write	Random 4K Write	Technology	NAND
Vertex 3 Series – Packing performance into a desktop-ready form factor Product Page						
VTX3-35SAT3-120G	120GB	550MB/s	500MB/s	60,000 IOPS	SandForce 2200	Sync MLC
VTX3-35SAT3-240G	240GB	550MB/s	520MB/s			
VTX3-35SAT3-480G	480GB	530MB/s	450MB/s			

2.5 inch SATA II	Capacity	Max Read	Max Write	Random 4K Write	Technology	NAND
Vertex 2 Series – 2 nd generation Vertex Series features exceptional performance for mainstream SATA II platforms Product Page						
OCZSSD2-2VTXE60G	55GB	285MB/s	275MB/s	50,000 IOPS	SandForce 1200 Max IOPS Firmware	MLC
OCZSSD2-2VTXE120G	115GB					
OCZSSD2-2VTX120G	120GB					
OCZSSD2-2VTXE240G	240GB					

Vertex 2 Series 34nm – Vertex 2 with locked BOM editions for enthusiasts Product Page						
OCZSSD2-2VTX60G.34	60GB	280MB/s	270MB/s	Up to 50,000 IOPS	SandForce 1200 Locked BOM	34nm MLC
OCZSSD2-2VTX120G.34	120GB					
OCZSSD2-2VTX240G.34	240GB					

Vertex 2 Series 25nm – Vertex 2 with locked BOM editions for enthusiasts Product Page						
OCZSSD2-2VTX80G.25	80GB	280MB/s	265MB/s	Up to 45,000 IOPS	SandForce 1200 Locked BOM	25nm MLC
OCZSSD2-2VTX160G.25	160GB	280MB/s	270MB/s			
OCZSSD2-2VTX200G.25	200GB	280MB/s	270MB/s			

Octane S2 Series - Fast performance at an incredible price point Product Page						
OCT1-25SAT2-64G	64GB	275MB/s	250MB/s	Up to 11,000 IOPS	Indilinx Everest Latency reduction Ndurance™ 512MB Cache	2Xnm MLC
OCT1-25SAT2-128G	128GB					
OCT1-25SAT2-256G	256GB					
OCT1-25SAT2-512G	512GB					

Vertex Plus R2 Series – An exceptional value offering superior performance over hard drives Product Page						
VTXPLR2-25SAT2-60GB	60GB	255MB/s	255MB/s	Up to 12,000 IOPS	Indilinx Barefoot 2 Latency Reduction 128GB Cache	MLC
VTXPLR2-25SAT2-120GB	120GB					
VTXPLR2-25SAT2-240GB	240GB					

Onyx 3 Series – Cost effective SATA 2.0 storage with an advanced feature set						
ONYX3-25SAT3-64G	60GB	170MB/s	70MB/s	Up to 3,000 IOPS Up to 5,000 IOPS	Indilinx Barefoot 2 Latency Reduction	Async MLC
ONYX3-25SAT3-128G	120GB	270MB/s	135MB/s			

1.8 inch SATA II	Capacity	Max Read	Max Write	Random 4K Write	Technology	NAND
Vertex 2 Series - Delivers the same leading performance as the 2.5" edition in a smaller form factor Product Page						
OCZSSD1-2VTX90G	55GB	285MB/s	275MB/s	50,000 IOPS	SandForce 1200 Max IOPS Firmware	MLC
OCZSSD1-2VTX180G	115GB					

3.5 inch SATA II	Capacity	Max Read	Max Write	Random 4K Write	Technology	NAND
Vertex 2 Series – 2 nd generation Vertex Series features exceptional performance for mainstream SATA II platforms Product Page						
OCZSSD3-2VTX90G	90GB	285MB/s	275MB/s	50,000 IOPS	SandForce 1200 Max IOPS Firmware	MLC
OCZSSD3-2VTX120G	120GB	285MB/s	275MB/s	50,000 IOPS		
OCZSSD3-2VTX180G	180GB	285MB/s	275MB/s	50,000 IOPS		
OCZSSD3-2VTX240G	240GB	285MB/s	275MB/s	50,000 IOPS		
OCZSSD3-2VTX360G	360GB	285MB/s	275MB/s	50,000 IOPS		
OCZSSD3-2VTX480G	480GB	250MB/s	240MB/s	22,500 IOPS		

Colossus 2 Series - Take advantage of state-of-the-art SSD technology with ample storage Product Page						
OCZSSD3-2CLS460G	460GB	250MB/s	250MB/s	20,000 IOPS	SandForce 1200 Internal RAID 0	MLC
OCZSSD3-2CLS960G	960GB					

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mSATA SATA II	Capacity	Max Read	Max Write	Random 4K Write	Technology	NAND
Nocti Series - Small form factor SSD for embedded solutions offering exceptional mobile performance Product Page						
NOC-MSATA-30G NOC-MSATA-60G NOC-MSATA-120G	30GB 60GB 120GB	280MB/s	255MB/s 260MB/s 260MB/s	12,500 IOPS 12,500 IOPS 32,500 IOPS	SandForce 2100	MLC
PCI Express	Capacity	Max Read	Max Write	Random 4K Write	Technology	NAND
RevoDrive 3 X2 Max IOPS - Leading edge architecture for unparalleled transactional performance in workstations Product Page						
RVD3MIX2-FHPX4-240G RVD3MIX2-FHPX4-480G RVD3MIX2-FHPX4-960G	240GB 480GB 960GB	1600MB/s	1500MB/s	220,000 IOPS 240,000 IOPS 240,000 IOPS	SandForce 2200 VCA™ 2.0 ² Bootable SuperScale™ Processor	Toggle MLC
RevoDrive 3 Max IOPS - Improved architecture for greater bandwidth and transactional performance Product Page						
RVD3MI-FHPX4-120G RVD3MI-FHPX4-240G RVD3MI-FHPX4-480G	120GB 240GB 480GB	1000MB/s 1000MB/s 1025MB/s	900MB/s 950MB/s 950MB/s	135,000 IOPS 140,000 IOPS 140,000 IOPS	SandForce 2200 VCA™ 2.0 ² Bootable SuperScale™ Processor	Toggle MLC
RevoDrive 3 X2 Series - Taking workstation performance to new heights for video and multimedia professionals Product Page						
RVD3X2-FHPX4-240G RVD3X2-FHPX4-480G RVD3X2-FHPX4-960G	240GB 480GB 960GB	1500MB/s	1225MB/s 1250MB/s 1300MB/s	200,000 IOPS 230,000 IOPS 230,000 IOPS	SandForce 2200 VCA 2.0 ² Bootable SuperScale™ Processor	Async MLC
RevoDrive 3 Series - Incredible performance for workstation professionals with a unique and powerful feature-set Product Page						
RVD3-FHPX4-120G RVD3-FHPX4-240G RVD3-FHPX4-480G	120GB 240GB 480GB	975MB/s 1000MB/s 1000MB/s	875MB/s 900MB/s 925MB/s	120,000 IOPS 130,000 IOPS 130,000 IOPS	SandForce 2200 VCA 2.0 ² Bootable SuperScale™ Processor	Async MLC
Hybrid PCI Express	Capacity	Max Read	Max Write	Random 4K Write	Technology	NAND
RevoDrive Hybrid PCI Express 1TB - Innovative solution combines incredible SSD performance with HDD Capacity Product Page						
RVDHY-FH-1T	1TB	910MB/s	810MB/s	120,000 IOPS	SandForce 2200 VCA™ 2.0 ² Dedicated Flash Cache Intelligent Caching Software	MLC
RevoDrive Hybrid SE PCI Express 1TB - Innovative SSD performance at an even lower price per gigabyte Product Page						
RVDHYSE-FH-1T	1TB	515MB/s	465MB/s	18,000 IOPS	SandForce 2200 VCA™ 2.0 ² Dedicated Flash Cache Intelligent Caching Software	MLC

¹What is Ndurance 2.0 Technology? Ndurance 2.0 is designed exclusively for Indilinx SSD processors and is the most advanced suite of NAND flash management technology ever developed for SATA SSDs. Ndurance 2.0 overcomes critical NAND flash memory shortcomings to ensure that SSDs with consumer-grade NAND flash can be reliably used in both enterprise and client computing environments over a lifetime well beyond the manufacturer-rated endurance limits. This suite also includes advanced capabilities such as Advanced Multi-Level ECC, Adaptive Program and Read Algorithms, and reduced write amplification without compression. For more information, please see our [Technology Backgrounder](#).

²What is VCA 2.0? OCZ's Virtualized Controller Architecture (VCA) 2.0 features best-in-class configurable performance aggregation, simplifying data management without impacting performance, to provide clients with an easily deployable total solution. VCA 2.0 is the only virtualization layer in the industry with TRIM and SCSI unmap support, which enhances the sustained performance by significantly reducing the overhead associated with garbage collection. When combined with OCZ's SuperScale™ storage controller, VCA 2.0 provides unique benefits to users by allowing certain direct memory access (DMA) and data management functions, including OCZ's unique command queuing and queue balance algorithms, to be handled by the onboard processing core. For more information, please see our [FAQs](#).

Need guidance to find the best SSD for your system or application? Be sure to try out our helpful [OCZ SSD Selector](#)