

OCZ Onyx 32GB SATA II 1.8" SSD

Design and Technology:

Designed to offer the best of both worlds the OCZ Onyx 1.8" SSD delivers the performance and reliability benefits of solid state storage to mainstream consumers at an aggressive price point that makes sense for customers looking to increase the performance and lifespan of their existing platforms. The Onyx series SSD is the perfect upgrade for Notebook and Netbook PCs.

The Onyx makes use of a quality Indilinx controller to deliver an enhanced computing experience with faster application loading, snappier data access, shorter boot-ups, and longer battery life. OCZ Onyx 1.8" SSDs feature HDD-dominating access times, up to 135MB/s read and 70MB/s write speeds, 64MB of onboard cache, and unique performance optimization to keep the drives at peak performance over the long term.



Applications:

-Notebooks -Netbooks -Subnotebooks

Physical Specifications	
Capacity:	32GB
NAND Flash Components:	Multi-Level Cell (MLC) NAND Flash Memory
Interface:	SATA II 3.0Gbp/s
Cache:	64MB
Form Factor:	1.8" form factor
Physical Dimensions:	54 (L) x 78.5 (W) x 5mm (H)

Reliability Specifications	
Life Expectancy:	1 million hours Mean Time Before Failure (MTBF)
Reliability:	ECC: BCH with 8, 12 or 16 bits correctable
Product Health Monitoring:	Self-Monitoring, Analysis and Reporting Technology

Environmental Specifications	
Operating Temperature:	0C ~ +70C
Storage Temperature:	-45C ~ +85C
Shock Resistance:	1500G
Certifications:	RoHS, CE, FCC

Performance Specifications	
Max Read:	up to 135MB/s
Max Write:	up to 70MB/s
Sustained Write:	up to 20MB/s
Max IOPS (4K):	15,000 IOPS
Seek Time:	0.1 MS
Power Consumption:	Idle: 375mW Active: 1000mW
Performance Optimization:	Background Garbage Collection + TRIM Support

Compatibility	
SATA:	Fully compliant with Serial ATA International Organization: Serial ATA Revision 2.6. Fully Compliant with ATA/ATAPI-7 Standard Native Command Queuing (NCQ)
OS Compatibility:	Windows XP 32 Bit; Windows XP 64 Bit; Windows Vista 32 Bit; Windows Vista 64 Bit; Windows 7 32 Bit; Windows 7 64 Bit; Linux
Power Requirements:	Micro SATA Power Connector

Part Number	UPC
OCZSSD1-10NX32G	842024017875



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Mechanical Specifications

