

OCZ Colossus LT Series SATA II 3.5" SSD

Design and Technology:

The Colossus LT 3.5" Solid State Drive Series is designed to meet the performance ideals of consumer desktop and enthusiast clients. The Colossus LT Series is the latest solution for prosumers and enthusiasts looking to take advantage of the benefits of SSD technology and maximize their storage arrays.

Colossus LT SSDs deliver exceptional performance for high-end desktops and are the result of OCZ's latest breakthroughs in flash based storage. Designed to offer PC enthusiasts a best-in-class storage upgrade from traditional hard disc drives, the innovative Colossus LT Series features incredible speed and ample storage for the complete gamut of gaming, multimedia and demanding productivity applications. The Colossus delivers all the proven benefits of SSDs such as superior system responsiveness, ultra-fast data access, and greater durability, while providing the storage capacity desktop users demand.

Applications:

- Workstation PCs - Desktop PCs



Physical Specifications	
Capacity:	120GB, 250GB, 500GB, 1TB
NAND Flash Components:	Multi-Level Cell (MLC) NAND Flash Memory
Interface:	SATA II 3.0Gbp/s
Cache:	128MB
Form Factor:	3.5" form factor
Physical Dimensions:	146 (L) x 101.6 (W) x 25.4mm (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 - All Densities	
Max Read:	up to 260MB/s
Max Write:	up to 260MB/s
Sustained Write:	up to 220MB/s
4k IOPS (QD:32):	15,000 IOPS
Seek Time:	0.1 MS
Power Consumption:	Idle: 4.3W Active: 7.1W
Performance Optimization:	Background Garbage Collection

Compatibility	
SATA:	Fully compliant with Serial ATA International Organization: Serial ATA Revision 2.6.
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:	Standard SATA Power Connector

Part Number	UPC
OCZSSD2-1CLSLT120G	842024016366
OCZSSD2-1CLSLT250G	842024016373
OCZSSD2-1CLSLT500G	842024016380
OCZSSD2-1CLSLT1T	842024016397

Mechanical Specifications

