



## TRION 150 Series

SATA III 2.5" SSD



Upgrading from a hard drive should be easy and affordable and that's where OCZ Trion 150 SSDs come in. Designed to optimize and instantly boost the speed of your notebook or PC, the Trion 150 Series leverages premium Toshiba TLC NAND flash to go the distance and deliver a superior balance of performance, reliability, and value that will transform any mobile or desktop system.

### Fast and Efficient

Up your productivity with the Trion 150 Series and enjoy faster boot ups, file transfers, and system responsiveness. Say goodbye to hard drive lag and get a state-of-the-art computing experience worthy of your time.

### Performance Made Affordable

Upgrading to an SSD can feel like you've purchased an entirely new system—not only because of the enhanced speed, but also the initial investment normally associated with the technology. Trion 150 SSDs balance price and performance so you have enough funds leftover for other upgrades.

### World-class Quality and Reliability

With 100% Toshiba technology built into every drive, each Trion 150 SSD is engineered for superior quality and reliability, keeping your data secure.

### Better Battery Life

The more power-efficient Trion 150 Series is optimized for lower energy consumption which translates into longer battery life to keep you up and running longer.

### Serious Speed. Zero Tricks.

Trion 150 offers plenty of real world performance for all your gaming and productivity applications. No fancy behind-the-scenes tricks, just pure storage performance.

## Product Features

- Next generation Toshiba 15nm TLC (Triple-Level Cell) NAND flash
- Toshiba controller technology
- Sleek housing offers slimmer 7mm z-height for compatibility with the ultra-thin notebooks
- OCZ ShieldPlus Warranty - an elite worry-free customer service experience that eliminates the hassle surrounding traditional support and warranty claims, with exclusive features including free return shipping and advanced replacement



OCZ SHIELDPLUS  
WARRANTY



Performance	120GB	240GB	480GB	960GB
Max Read <sup>1</sup>	550 MB/s	550 MB/s	550 MB/s	550 MB/s
Max Write <sup>1</sup>	450 MB/s	520 MB/s	530 MB/s	530 MB/s
Max Random Read (4K QD32) <sup>2</sup>	79,000 IOPS	90,000 IOPS	90,000 IOPS	90,000 IOPS
Max Random Write (4K QD32) <sup>2</sup>	25,000 IOPS	43,000 IOPS	54,000 IOPS	64,000 IOPS
Steady State Random Write (4K QD32) <sup>3</sup>	2,200 IOPS	3,200 IOPS	3,200 IOPS	3,600 IOPS

1. Maximum sequential speeds measured with ATTO
2. 4KB random performance is measured with Crystal Disk Mark, 1000MB test file size, QD32
3. Steady State performance measured with IOMeter 2010 after a 12hr precondition according to SNIA guideline

Endurance*	120GB	240GB	480GB	960GB
TBW (Total Bytes Written)	30 TB	60 TB	120 TB	240 TB
Daily Usage Guidelines	27 GB/day	55 GB/day	110 GB/day	219 GB/day

\*Endurance measured using the JESD219A workload

## Physical Specifications

Usable Capacities (IDEMA)	120GB, 240GB, 480GB, 960GB
NAND Components	Toshiba 15nm Triple-Level Cell (TLC)
Interface	Serial ATA (SATA) 6Gb/s (SATA III)
Form Factor	2.5 inch, 7mm height
NAND Controller	Toshiba
Dimensions	100.00 x 69.85 x 7.00 mm
Drive Weight	48g

## Reliability / Security Specifications

MTBF	1.5M hours
Product Health Monitoring	Self-Monitoring, Analysis and Reporting Technology (SMART) Support

## Compatibility

Serial ATA	Fully compliant with Serial ATA International Organization: Serial ATA Revision 3.1. 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



## Environmental Specifications

DEVSLP Power	6mW
Power Consumption	Idle: 830mW Active: 4.8W
Operating Temperature	0°C - 65°C
Storage Temperature	-45°C - 85°C
Shock Resistance	1500G/0.5ms
Vibration (Operational & Non-operational)	20G (10-2000Hz)
Certifications	UL C/US, FCC, CE, C-Tick, KCC, BSMI, VCCI, WEEE, CSA

## 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

## Ordering Information

	Model	Part Number	UPC
TRION 150	120GB	TRN150-25SAT3-120G	842024037682
	240GB	TRN150-25SAT3-240G	842024037699
	480GB	TRN150-25SAT3-480G	842024037705
	960GB	TRN150-25SAT3-960G	842024037712