



Trion 100 Series

SATA III 2.5" SSD



The most awarded SSD brand of all time brings you the all-new OCZ Trion 100 Series. Designed to optimize your notebook or PC easily and affordably, the trailblazing Trion 100 Series SSDs leverage 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 100 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 100 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 100 SSD is engineered for superior quality and reliability, keeping your data secure.

Better Battery Life

The more power-efficient Trion 100 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 100 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 A19 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 ¹	550 MB/s	550 MB/s	550 MB/s	550 MB/s
Max Write ¹	450 MB/s	520 MB/s	530 MB/s	530 MB/s
Max Random Read (4K QD32) ²	79,000 IOPS	90,000 IOPS	90,000 IOPS	90,000 IOPS
Max Random Write (4K QD32) ²	25,000 IOPS	43,000 IOPS	54,000 IOPS	64,000 IOPS
Steady State Random Write (4K QD32) ³	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

*New endurance specification measured using industry-standard JEDEC JESD219A client workload

Physical Specifications

Usable Capacities (IDEMA)	120GB, 240GB, 480GB, 960GB
NAND Components	Toshiba A19nm 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 100	120GB	TRN100-25SAT3-120G	842024037262
	240GB	TRN100-25SAT3-240G	842024037279
	480GB	TRN100-25SAT3-480G	842024037286
	960GB	TRN100-25SAT3-960G	842024037293