



Boost your speed and performance

SSD A100

Boosting your daily boot-up speed and improving performance has never been easier. Upgrade your PC/Mac with an A100 Solid State Drive based on Toshiba's 3-bit-per-cell flash technology and experience high-speed boot up, fast system responsiveness and silent operation.



Performance for everyday use

A solid state drive reduces OS boot time and speeds up your computing system responsiveness rates by leaps and bounds.



Give yourself a boost

The SSD A100 uses 3-bit-per-cell flash to maximise storage capacity, without sacrificing speed. Your system will be more responsive than ever.



Quality you can trust

Toshiba SSDs are based on NAND Flash technology and incorporate Toshiba controllers to achieve industry-leading levels of performance and reliability.

Top features:

- 15 nm 3-bit-per cell NAND flash memory
- SLC Write Cache technology
- High-speed boot-up and operation
- Fast system responsiveness
- Resistance to vibration and shock



Specifications and Performance

Part number:	SSD A100 240 GB: THN-S101Z2400E8 SSD A100 120 GB: THN-S101Z1200E8
Storage memory:	3-bit-per-cell 15 nm NAND Flash
Available capacities:	240 GB, 120 GB
Controller:	Toshiba TC58NC1010
Interface:	SATA III (6.0 Gbit/s, backwards compatible with 3.0 Gbit/s and 1.5 Gbit/s)
Max. transfer rate:	6.0 Gbit/s
Sequential Read Speed (measured with Iometer):	Up to 550 MB/s
Sequential Write Speed (measured with Iometer):	Up to 480 MB/s (240 GB) Up to 450 MB/s (120 GB)
Random Read Speed (measured with CrystalDiskMark 4.1.0, 4kiB, QD32):	Up to 87,000 IOPS (240 GB) Up to 81,000 IOPS (120 GB)
Random Write Speed (measured with CrystalDiskMark 4.1.0, 4kiB, QD32):	Up to 82,000 IOPS (240 GB) Up to 40,000 IOPS (120 GB)
Advance Speed Technology:	SLC Write Cache Technology
Zeroing TRIM Support:	yes and requires OS support
Native Command Queuing (NCQ):	yes
S.M.A.R.T Support:	yes
Garbage collection:	yes
Read only mode:	yes
MTTF:	1.500.000 hours
Operating temperature:	0 °C – 65 °C
Non-Operating temperature:	-40 °C – 85 °C
Power consumption:	Active: 3.4 W typ. Idle: 440 mW typ.
Weight:	37.5 g typ.
Dimensions:	100 × 69.85 × 7 mm
TBW (Client endurance workload specified by JESD219A Solid-State Drive (SSD) Endurance Workloads):	240 GB: 60 TB 120 GB: 30 TB

Box Content

- Solid State Drive - A100
- Quick Start Guide