



## Move beyond HDD

### SSD Q300



If your PC can't keep up with you, it's time to upgrade with a Toshiba Q300 Solid State Drive. With 3-bit-per-cell flash and unique Toshiba controller technology, you'll experience high-speed boot up and fast system responsiveness. A Q300 SSD is a fantastic upgrade that will increase your performance both in the office and out.



#### 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 Q300 uses 3-bit-per-cell flash to maximise storage capacity, without sacrificing speed. Your system will be more responsive than ever.



#### Lining things up for speed

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

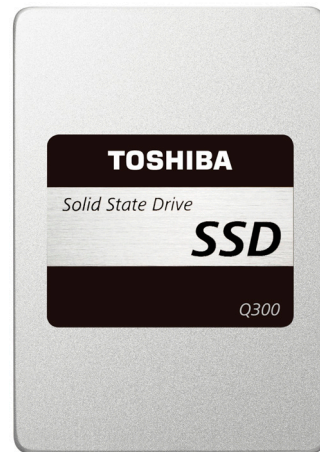
## SSD Q300

### Specifications and Performance

Part number:	SSD - Q300 - 960GB: HDT5796EZSTA SSD - Q300 - 480GB: HDT5748EZSTA SSD - Q300 - 240GB: HDT5724EZSTA SSD - Q300 - 120GB: HDT5712EZSTA
Storage memory:	3-bit-per-cell A19nm NAND Flash
Available capacities:	960GB, 480GB, 240GB, 120GB
Controller:	Toshiba TC58NC1000
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 550MB/s
Sequential Write Speed (measured with Iometer):	Up to 530MB/s (960GB) Up to 520MB/s (480GB, 240GB) Up to 450MB/s (120GB)
Random Read Speed (measured with CrystalDiskMark 4.1.0, 4kiB, QD32):	Up to 87,000 IOPS (960GB) Up to 86,000 IOPS (480GB, 240GB) Up to 81,000 IOPS (120GB)
Random Write Speed (measured with CrystalDiskMark 4.1.0, 4kiB, QD32):	Up to 83,000 IOPS (960GB, 480GB) Up to 73,000 IOPS (240GB) Up to 40,000 IOPS (120GB)
Advance Speed Technology:	Adaptive Size 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: 5.1W typ. Idle: 1.1W typ.
Weight	46g - 48g typ.
Dimension:	100mm x 69.85mm x 7 (mm)
TBW (Client endurance workload specified by JES-D219A Solid-State Drive (SSD) Endurance Workloads):	960GB: 240TB 480GB: 120TB 240GB: 60TB 120GB: 30TB
Cloning tool software:	NTI Echo 3 (migration software) by download
Utility tool software:	Toshiba Storage Utilities by download

### Box Content

- Solid State Drive
- Spacer for 9.5mm applications
- Quick Start Guide
- Warranty Leaflet



### Top features

- A19nm 3-bit-per cell NAND flash memory
- Adaptive Size SLC Write Cache technology
- High-speed boot-up
- Fast system responsiveness
- Resistance to vibration and shock

### Retail packaging

