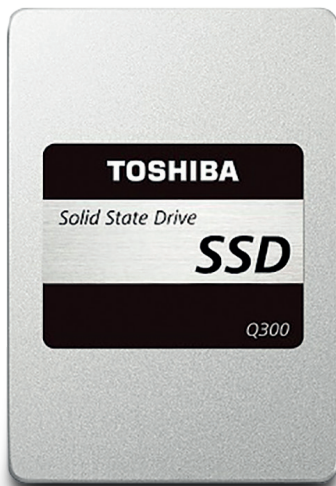**TOSHIBA**
Leading Innovation >>>

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 everday 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.

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Save your best moments

Top features:

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

Specifications and Performance

Part number:	SSD - Q300 - 960GB: HDTS896EZSTA SSD - Q300 - 480GB: HDTS848EZSTA SSD - Q300 - 240GB: HDTS824EZSTA SSD - Q300 - 120GB: HDTS812EZSTA
Storage memory:	3-bit-per-cell 15nm 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: 3.6W typ. Idle: 0.3W typ.
Weight:	57g - 61g typ.
Dimension:	100mm x 69.85mm x 7 (mm)
TBW (Client endurance workload specified by JESD219A 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 - Q300
- Spacer for 9.5mm applications
- Quick Start Guide
- Warranty Leaflet

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