

Toshiba Updates Q300 SSDs With 15nm Flash

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Toshiba announces an upgrade of the Q300 and Q300 Pro series 2.5-inch SATA III SSDs-- one filling the drive with 15nm flash (instead of 19nm) for capacity, performance and power consumption improvements.



Announced back in September 2015, the SSDs offer 120, 240, 480, 960 or 1024GB capacities in the Q300 version, with the updated Q300 Pro version adding a previously unavailable 1TB option. The Q300 Pro also offers an increase in endurance, with the 1TB model claiming a maximum write of 640TB over a 5-year warranted lifetime.

Otherwise in terms of performance both SSD series offer 550MB/s sequential read and up to 530MB/s sequential write (depending on range and capacity). The Q300 series claims maximum read/write IOPS of 87000 and 83000, while the Q300 Pro clocks at 92000 and 63000 maximum read/write IOPS.

Further details include the addition of Toshiba adaptive size SLC write cache, support for NCQ, SMART, Zeroing TRIM, and an MTTF of 1.5 million hours.

The Q300 and Q300 Pro SSDs should be available later this month.

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