

ZeusIOPS XE: New SAS SSD from STEC

By Fastest SSD

Thursday, December 1st, 2011



STEC has just released a new SSD for the enterprise market called ZeusIOPS XE, which is allegedly three times more durable than previous MLC-based drives (the 'XE' in the name refers to "Extreme Endurance"). This has been achieved using a fourth-generation controller and new error correction code to provide at least 30 total rewrites a

day over a period of five years, meaning that the 600GB drive will endure about 33 petabytes written to it before it is worn out.

The ZeusIOPS XE SSD is available in 300GB and 600GB capacities and offer sustained read speeds of 500 MB/s while the write speed is 275 MB/s. For read operations it reaches up to 115,000 IOPS while 70,000 IOPS is the limit when writing. The drives are hooked up to the rest of your machinery using a 6 Gbps SAS interface. In other words, this isn't something you insert into your laptop—the target market is for use as a server caching solution.

The drives' wear and tear is reduced using STEC's CellCare Software, which also has the ability to measure and manage disk wear by using adaptive flash algorithms and advanced techniques for signal processing, according to STEC's press release.