



## EasyCo MFT-1000

### Outperforming 15k SAS Hard Disks 20:1 While Costing Less

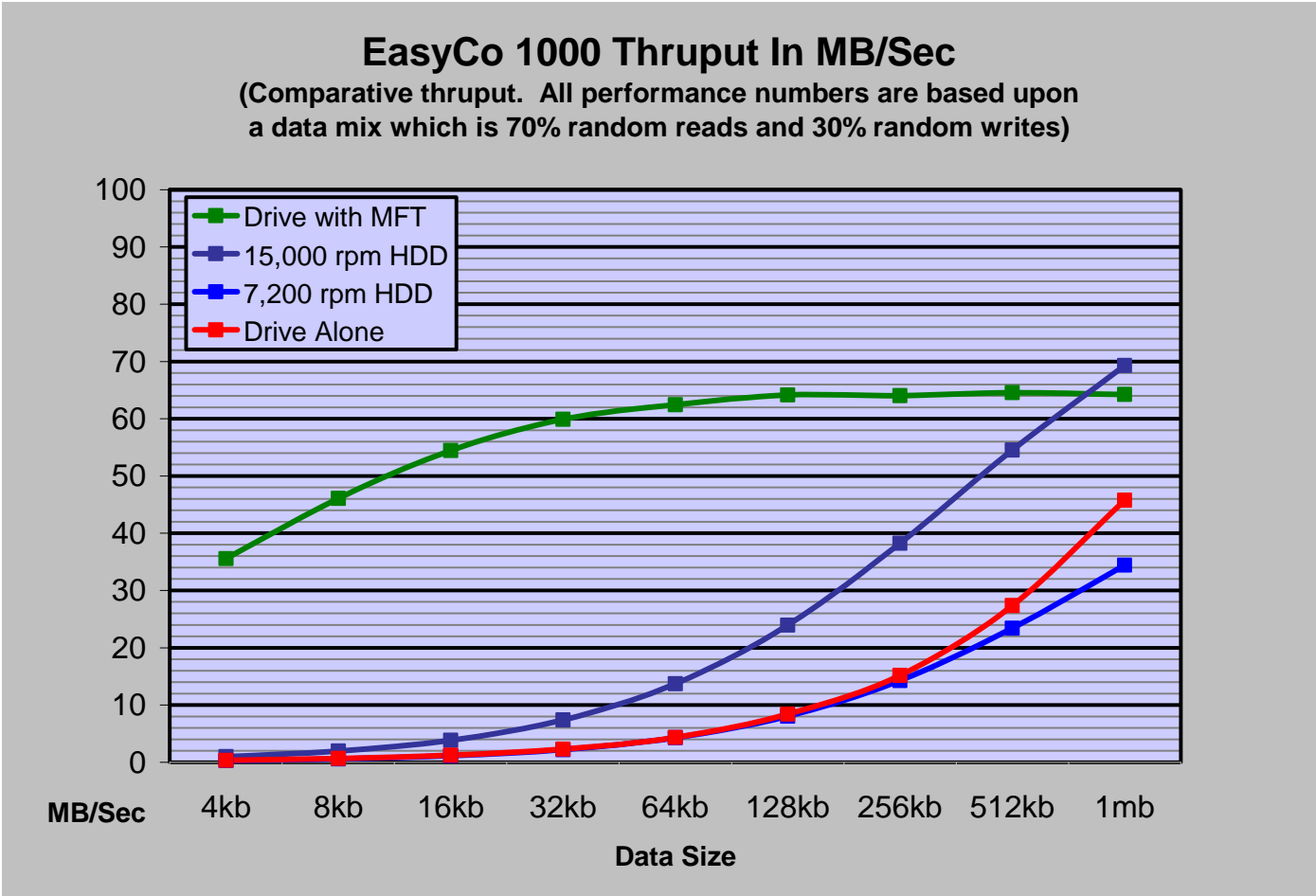


Managed Flash Technology (MFT) is patent pending Windows and Linux software that fixes both the random write and erase life problems inherent in modern Flash Solid State Disks (SSDs).

The MFT-1000 bundles Mtron's series 1000 drive with MFT. The Mtron drive has superb random reading and linear speeds, but like all flash drives it has very poor random write performance.

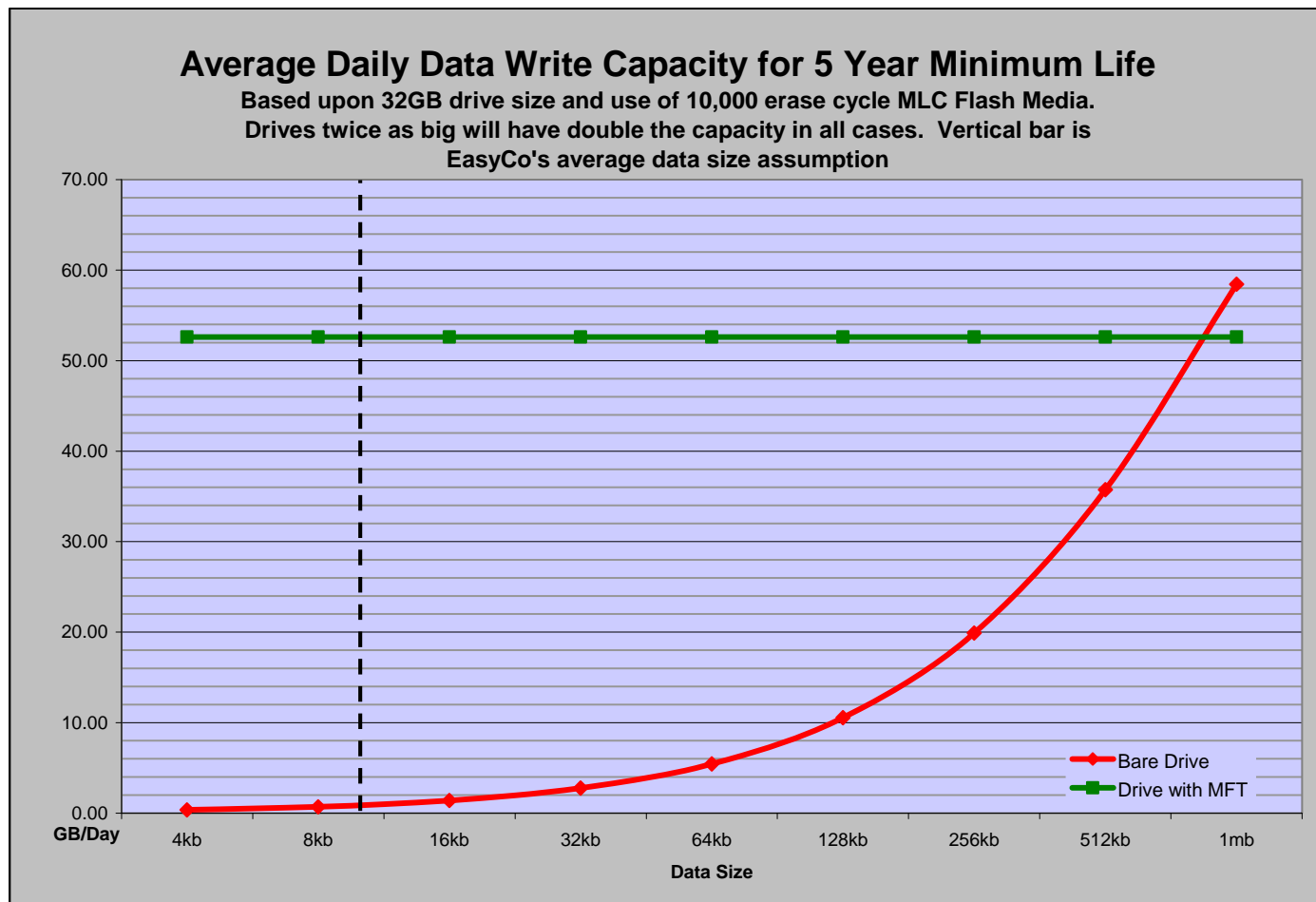
MFT increases the random write performance of the drive by over 100-fold, while increasing its practical erase life more than 50-fold. As a result, the MFT-1000 is an ideal Flash SSD for general duty email, web, and database servers.

As the green line of the following graph demonstrates, in database and email applications, the MFT-1000 dramatically outperforms a 15,000 rpm SAS Drive. For instance, at the 8kb read and write size of SQL and Oracle databases, it processes more than 46mb/sec of requests while a SAS drive squeaks out not much more than 2mb/sec. Similarly, it bests basic SATA drives by 70:1 in performance. The broad differential holds true for larger data sizes as well.



The high performance of MFT allows you to use far fewer drives. A 64gb MFT-1000 can still outperform a pair of SAS drives 10:1, and a RAID-5 Flash Array of MFT-1000 drives beats a RAID-10 SAS array 15:1 even though the latter has a third more drives. All of these can add up to significant performance gains without cost as MFT arrays normally cost less than their SAS cousins.

Similarly, the MFT-1000 is suitable for long life in the vast majority of servers. The following graph demonstrates how MFT converts the high write inefficiency of Flash Memory into highly efficient writes, no matter what the data size.



As a result, whether the MFT-1000 is writing 4kb blocks or megabyte chunks, it retains the capacity to overwrite the Flash Drive once a day for seven years, without wearing out the Flash Memory. As the vast majority of servers update 20% or less of their data in a day, this design makes the MFT-1000 suitable for use with about 95% of all servers.

The MFT-1000 costs just \$399 for a 32GB drive, and \$699 for a 64GB drive. A 128GB model will be available in September 2008.

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