



EasyCo MFT-500

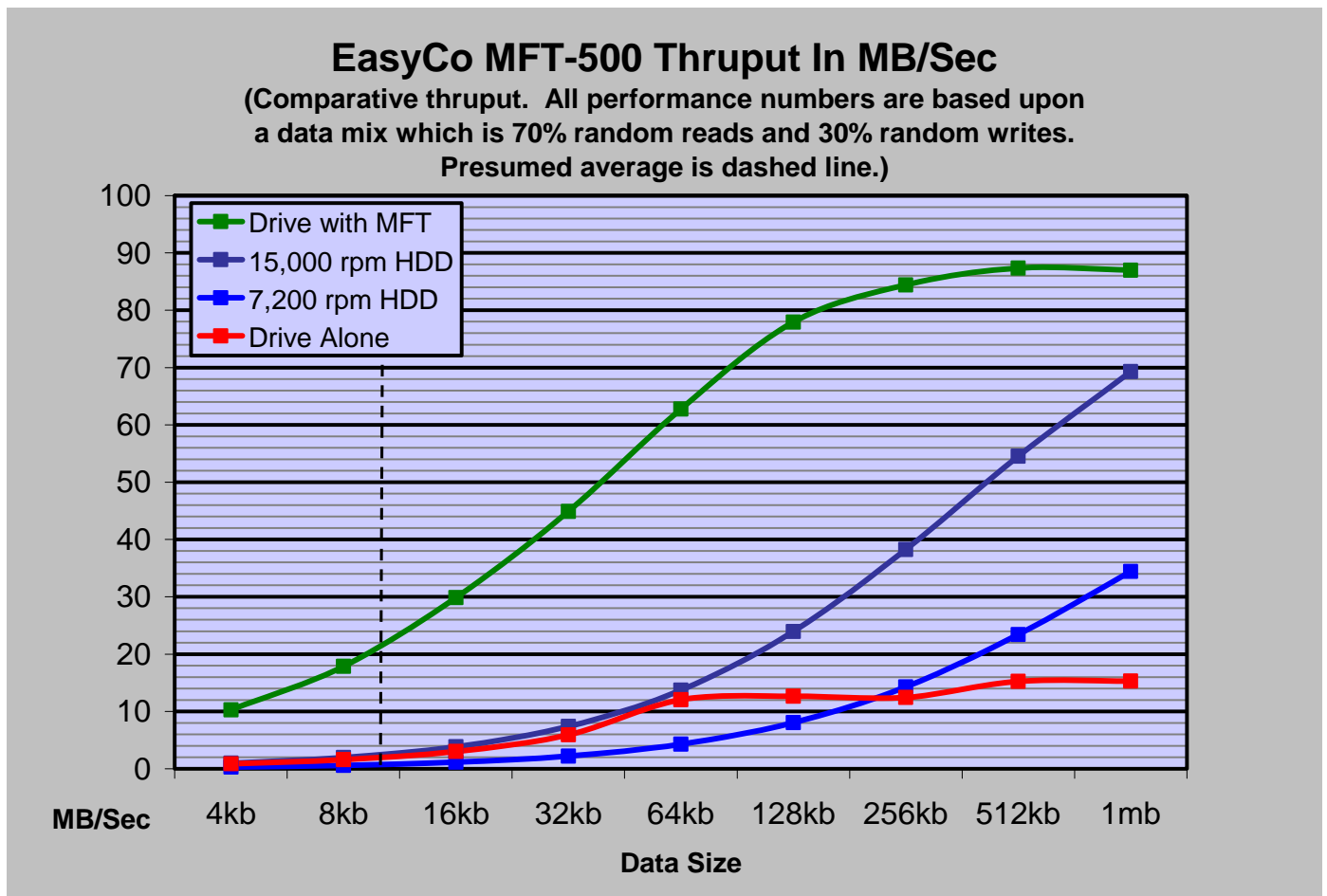
Outperforming 15k SAS Hard Drives 8:1 At Half the Cost

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).

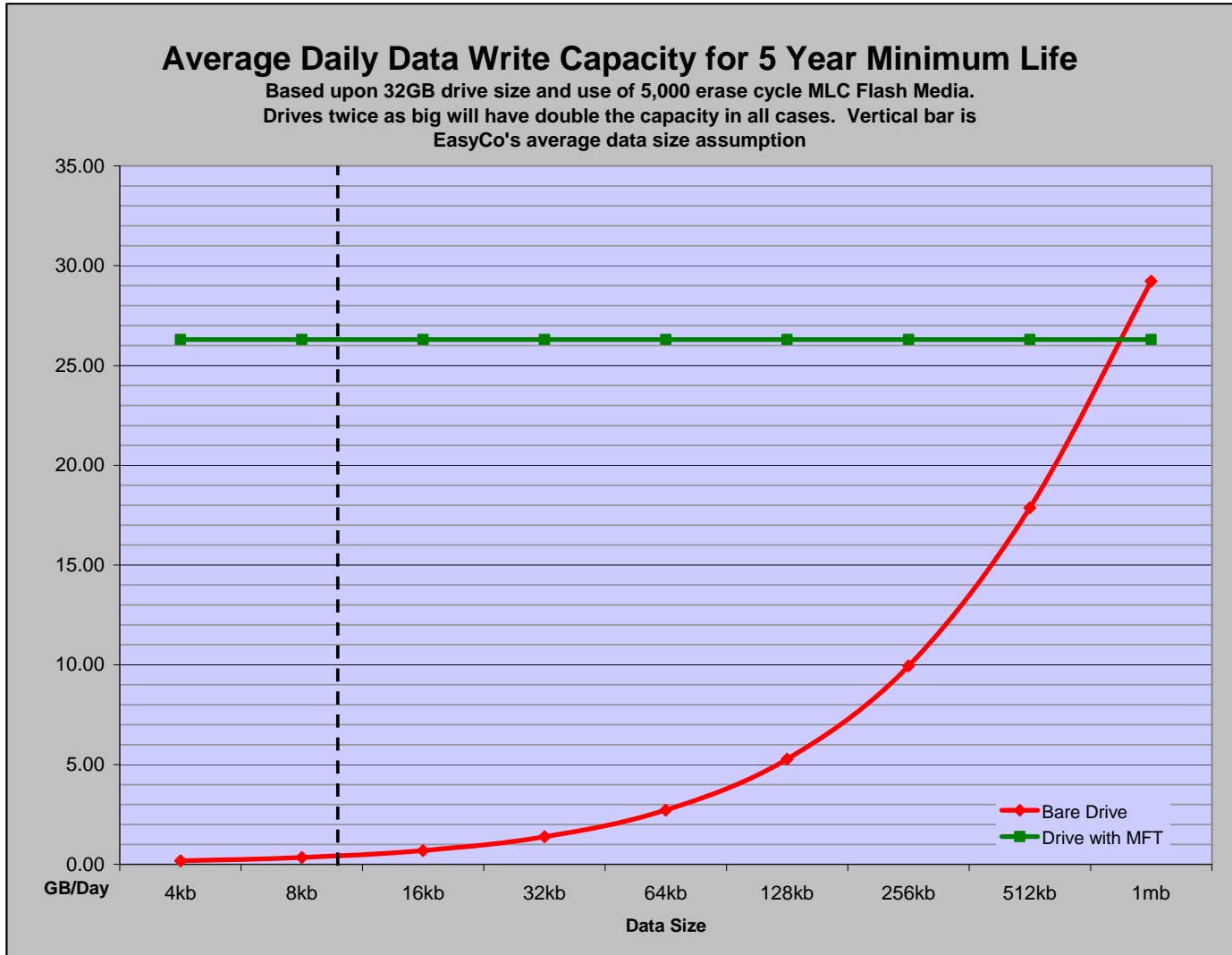
The MFT-500 bundles MFT together with a widely used flash drive. The drive offers superb linear read and write performance of 120 and 80 MB/second respectively. It also offers respectable random read performance approaching 2,000 IOs per second. But like all flash drives, the drive provides relatively poor random write performance marginally below the performance of a 7200 rpm disk drive.

MFT increases the random write performance of the drive by approximately 100-fold, while increasing its practical erase life more than 50-fold. As a result, the MFT-500 is an ideal Flash SSD for smaller general duty email, web, and database servers with up to five drives.

As the green line of the following graph demonstrates, in database and email applications, the MFT-500 dramatically outperforms a 15,000 rpm SAS hard disk drive. For instance, at the 8kb read and write size of SQL and Oracle databases, it processes 22mb/sec of requests while a SAS drive squeaks out not much more than 2mb/sec. Similarly, it bests basic SATA drives by 30:1 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 single 64gb MFT-500 can outperform a pair of SAS drives 5:1, and a RAID-5 Flash Array of MFT-500 drives beats a RAID-10 SAS array 7:1 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-500 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-500 is writing 4kb blocks or megabyte chunks, it retains the capacity to overwrite half 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-500 suitable for use with about 90% of all servers.

The MFT-500 costs just \$289 for a 32GB drive, \$499 for a 64GB drive, and \$909 for a 128GB drive.

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