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wintune98 Memory Graphs

Your Memory Performance

These three charts show how your computer's memory read, write, and copy speed varies with the size of the memory block being processed. This reflects the performance of your computer's main RAM and cache RAM.

Performance of these tests are measured in megabytes per second (MB/s), and larger numbers indicate better performance. You should see a sharp decrease in RAM speed at the 8KB or 16KB block size, where memory access can no longer fit into the CPU (level 1) cache. If you have an external (level 2) cache, and most systems do, you should also see a large difference between performance at the 32KB and 2048KB block levels.

Read speed, 4 KB blocks, MB/s		1363
Read speed, 8 KB blocks, MB/s		1370
Read speed, 16 KB blocks, MB/s		1351
Read speed, 32 KB blocks, MB/s		756
Read speed, 64 KB blocks, MB/s		752
Read speed, 128 KB blocks, MB/s		356
Read speed, 256 KB blocks, MB/s		271
Read speed, 512 KB blocks, MB/s		261
Read speed, 1024 KB blocks, MB/s		261
Read speed, 2048 KB blocks, MB/s		260
Write speed, 4 KB blocks, MB/s		1732
Write speed, 32 KB blocks, MB/s		694
Write speed, 256 KB blocks, MB/s		172
Write speed, 2048 KB blocks, MB/s		156

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Copy speed, 4 KB blocks, MB/s  1503

Copy speed, 32 KB blocks, MB/s  289

Copy speed, 256 KB blocks, MB/s  102

Copy speed, 2048 KB blocks, MB/s  101

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