

Test Type	Drive Type	Drive Type	Drive Type	Drive Type	Drive Type	Drive Type
Drive Genius BenchTest	Samsung SP0812N 7200 rpm 8 MB cache Oxford 911 Chipset	Samsung SV4012H 5400 rpm 2 MB cache Indigita Chipset	Segate ST320014A 5400 rpm 2 MB cache Generic 1394 Chipset *	IBM DTLA3207015 7200 rpm 2 MB cache Indigita Chipset	(Pika One) ST3250823A 7200 rpm 8 MB cache Generic 1394 Chipset *	Seagate ST380023A 7200 rpm 2 MB cache Internal HDD
<u>Sustained Read</u>						
32 KB	14.436 MB/s	11.852 MB/s	7.218 MB/s	14.545 MB/s	11.098 MB/s	
64 KB	14.769 MB/s	12.308 MB/s	7.529 MB/s	13.913 MB/s	11.294 MB/s	
128 KB	16.552 MB/s	12.632 MB/s	8.205 MB/s	15.738 MB/s	12.715 MB/s	
256 KB	17.944 MB/s	14.545 MB/s	9.014 MB/s	17.615 MB/s	13.241 MB/s	
0.5 MB	20.426 MB/s	17.778 MB/s	9.187 MB/s	17.944 MB/s	14.545 MB/s	
1.0 MB	22.326 MB/s	18.286 MB/s	9.505 MB/s	17.778 MB/s	14.769 MB/s	
2.0 MB	22.326 MB/s	18.286 MB/s	9.412 MB/s	20.0 MB/s	14.769 MB/s	
4.0 MB	22.588 MB/s	18.641 MB/s	9.505 MB/s	20.426 MB/s	14.769 MB/s	
8.0 MB	22.588 MB/s	18.462 MB/s	9.552 MB/s	20.211 MB/s	14.656 MB/s	
16.0 MB	21.818 MB/s	18.462 MB/s	9.697 MB/s	19.794 MB/s	14.436 MB/s	
<u>Sustained Write</u>						
32 KB	11.163 MB/s	10.435 MB/s	7.218 MB/s	10.909 MB/s	4.729 MB/s	
64 KB	13.333 MB/s	12.8 MB/s	8.17 MB/s	12.715 MB/s	9.648 MB/s	
128 KB	15.484 MB/s	14.436 MB/s	9.231 MB/s	15.118 MB/s	11.163 MB/s	
256 KB	17.778 MB/s	16.271 MB/s	10.726 MB/s	16.552 MB/s	12.468 MB/s	
0.5 MB	18.113 MB/s	18.113 MB/s	11.497 MB/s	16.134 MB/s	12.715 MB/s	
1.0 MB	18.286 MB/s	18.113 MB/s	12.549 MB/s	16.696 MB/s	12.8 MB/s	
2.0 MB	19.394 MB/s	18.286 MB/s	12.229 MB/s	16.0 MB/s	13.061 MB/s	
4.0 MB	19.794 MB/s	18.113 MB/s	12.973 MB/s	16.552 MB/s	13.061 MB/s	
8.0 MB	19.794 MB/s	18.641 MB/s	13.061 MB/s	16.134 MB/s	13.151 MB/s	
16.0 MB	19.794 MB/s	18.824 MB/s	12.886 MB/s	16.134 MB/s	13.061 MB/s	
<u>Random Read</u>						
32 KB	2.704 MB/s	1.959 MB/s	1.916 MB/s	2.373 MB/s	2.767 MB/s	
64 KB	4.8 MB/s	3.51 MB/s	3.416 MB/s	4.267 MB/s	4.717 MB/s	
128 KB	7.837 MB/s	6.038 MB/s	5.614 MB/s	6.737 MB/s	7.273 MB/s	
256 KB	9.697 MB/s	8.889 MB/s	8.136 MB/s	10.267 MB/s	9.6 MB/s	
0.5 MB	11.294 MB/s	11.852 MB/s	8.649 MB/s	13.913 MB/s	11.925 MB/s	
1.0 MB	15.738 MB/s	15.238 MB/s	9.6 MB/s	16.134 MB/s	12.075 MB/s	
2.0 MB	18.113 MB/s	16.842 MB/s	9.366 MB/s	18.286 MB/s	12.387 MB/s	
4.0 MB	19.794 MB/s	18.113 MB/s	9.275 MB/s	19.394 MB/s	13.241 MB/s	
8.0 MB	21.573 MB/s	18.641 MB/s	9.231 MB/s	19.794 MB/s	14.328 MB/s	
16.0 MB	20.426 MB/s	18.286 MB/s	9.275 MB/s	19.794 MB/s	14.015 MB/s	
<u>Random Write</u>						
32 KB	9.412 MB/s	3.643 MB/s	2.138 MB/s	4.068 MB/s	4.147 MB/s	
64 KB	12.973 MB/s	5.818 MB/s	3.616 MB/s	6.076 MB/s	6.508 MB/s	
128 KB	15.36 MB/s	7.273 MB/s	6.254 MB/s	8.61 MB/s	9.796 MB/s	
256 KB	17.778 MB/s	9.505 MB/s	7.967 MB/s	11.098 MB/s	10.378 MB/s	
0.5 MB	18.113 MB/s	12.0 MB/s	9.897 MB/s	12.308 MB/s	12.549 MB/s	
1.0 MB	18.113 MB/s	15.868 MB/s	11.294 MB/s	13.061 MB/s	12.8 MB/s	
2.0 MB	19.592 MB/s	17.778 MB/s	12.075 MB/s	13.061 MB/s	13.061 MB/s	
4.0 MB	19.794 MB/s	18.462 MB/s	12.8 MB/s	14.545 MB/s	13.151 MB/s	

8.0 MB	19.794 MB/s	18.824 MB/s	12.973 MB/s	15.738 MB/s	13.241 MB/s
16.0 MB	19.794 MB/s	19.01 MB/s	12.886 MB/s	15.61 MB/s	13.061 MB/s

Intech QuickBench

Sequential Read

1 KB	0.726 MB/s	0.783 MB/s	0.963 MB/s	0.766 MB/s	0.464 MB/s	0.845 MB/s
2 KB	3.228 MB/s	3.016 MB/s	2.050 MB/s	2.92 MB/s	2.138 MB/s	0.476 MB/s
4 KB	4.719 MB/s	5.083 MB/s	5.577 MB/s	7.163 MB/s	4.458 MB/s	10.525 MB/s
8 KB	11.215 MB/s	10.408 MB/s	9.229 MB/s	9.976 MB/s	7.626 MB/s	14.578 MB/s
16 KB	11.451 MB/s	17.151 MB/s	13.429 MB/s	18.049 MB/s	11.488 MB/s	33.075 MB/s
32 KB	24.856 MB/s	12.47 MB/s	16.690 MB/s	24.522 MB/s	12.941 MB/s	46.42 MB/s
64 KB	20.67 MB/s	22.361 MB/s	13.537 MB/s	28.197 MB/s	20.184 MB/s	47.341 MB/s
128 KB	20.507 MB/s	23.285 MB/s	12.781 MB/s	32.499 MB/s	20.103 MB/s	32.192 MB/s
256 KB	27.341 MB/s	26.278 MB/s	16.509 MB/s	32.626 MB/s	20.706 MB/s	32.305 MB/s
512 KB	30.826 MB/s	26.107 MB/s	18.53 MB/s	32.18 MB/s	22.47 MB/s	36.385 MB/s
1024 KB	31.178 MB/s	26.192 MB/s	16.403 MB/s	33.729 MB/s	24.23 MB/s	35.491 MB/s

Sequential Write

1 KB	0.379 MB/s	0.261 MB/s	0.028 MB/s	0.167 MB/s	0.482 MB/s	1.196 MB/s
2 KB	0.692 MB/s	0.644 MB/s	0.067 MB/s	0.382 MB/s	0.743 MB/s	1.687 MB/s
4 KB	3.911 MB/s	3.823 MB/s	4.177 MB/s	4.179 MB/s	3.938 MB/s	11.758 MB/s
8 KB	6.457 MB/s	8.656 MB/s	6.724 MB/s	8.828 MB/s	7.327 MB/s	17.824 MB/s
16 KB	11.767 MB/s	13.32 MB/s	11.526 MB/s	13.932 MB/s	11.329 MB/s	32.798 MB/s
32 KB	17.961 MB/s	16.457 MB/s	1.453 MB/s	17.692 MB/s	15.245 MB/s	52.101 MB/s
64 KB	22.869 MB/s	23.654 MB/s	16.703 MB/s	25.24 MB/s	18.894 MB/s	48.032 MB/s
128 KB	23.579 MB/s	21.82 MB/s	19.568 MB/s	27.494 MB/s	21.288 MB/s	44.08 MB/s
256 KB	30.319 MB/s	27.84 MB/s	7.905 MB/s	29.215 MB/s	22.211 MB/s	39.044 MB/s
512 KB	32.048 MB/s	28.717 MB/s	8.547 MB/s	30.952 MB/s	22.46 MB/s	38.702 MB/s
1024 KB	32.892 MB/s	27.896 MB/s	10.697 MB/s	30.112 MB/s	22.61 MB/s	36.61 MB/s

Random Read

1 KB	0.121 MB/s	0.109 MB/s	0.047 MB/s	0.101 MB/s	0.17 MB/s	0.144 MB/s
2 KB	3.132 MB/s	0.256 MB/s	0.251 MB/s	3.334 MB/s	1.964 MB/s	0.286 MB/s
4 KB	6.527 MB/s	0.527 MB/s	0.17 MB/s	4.179 MB/s	3.143 MB/s	0.646 MB/s
8 KB	11.524 MB/s	1.007 MB/s	1.023 MB/s	12.069 MB/s	8.278 MB/s	1.152 MB/s
16 KB	17.627 MB/s	1.996 MB/s	0.757 MB/s	18.311 MB/s	13.183 MB/s	2.24 MB/s
32 KB	19.086 MB/s	4.085 MB/s	3.546 MB/s	4.562 MB/s	15.896 MB/s	4.648 MB/s
64 KB	16.445 MB/s	6.201 MB/s	2.543 MB/s	8.060 MB/s	9.36 MB/s	8.104 MB/s
128 KB	28.303 MB/s	11.099 MB/s	10.068 MB/s	12.161 MB/s	15.807 MB/s	16.517 MB/s
256 KB	21.632 MB/s	13.701 MB/s	8.51 MB/s	18.01 MB/s	18.992 MB/s	18.244 MB/s
512 KB	19.446 MB/s	18.192 MB/s	11.265 MB/s	22.348 MB/s	20.511 MB/s	23.179 MB/s
1024 KB	30.389 MB/s	21.256 MB/s	18.437 MB/s	27.857 MB/s	19.919 MB/s	31.013 MB/s

Random Write

1 KB	0.435 MB/s	0.166 MB/s	0.132 MB/s	0.077 MB/s	0.25 MB/s	0.15 MB/s
2 KB	1.216 MB/s	1.185 MB/s	0.113 MB/s	0.145 MB/s	0.499 MB/s	0.495 MB/s
4 KB	3.499 MB/s	3.937 MB/s	0.173 MB/s	4.157 MB/s	4.462 MB/s	10.072 MB/s
8 KB	9.217 MB/s	7.902 MB/s	0.404 MB/s	4.248 MB/s	7.162 MB/s	22.501 MB/s
16 KB	13.777 MB/s	13.191 MB/s	0.809 MB/s	12.133 MB/s	11.474 MB/s	35.787 MB/s

32 KB	18.867 MB/s	17.224 MB/s	1.423 MB/s	15.561 MB/s	15.211 MB/s	50.176 MB/s
64 KB	24.189 MB/s	22.978 MB/s	2.699 MB/s	19.291 MB/s	18.92 MB/s	24.817 MB/s
128 KB	28.036 MB/s	15.768 MB/s	4.51 MB/s	23.646 MB/s	21.62 MB/s	17.552 MB/s
256 KB	30.534 MB/s	14.19 MB/s	6.225 MB/s	15.465 MB/s	13.492 MB/s	19.327 MB/s
512 KB	31.022 MB/s	18.926 MB/s	7.714 MB/s	26.49 MB/s	21.976 MB/s	24.991 MB/s
1024 KB	32.817 MB/s	23.777 MB/s	11.576 MB/s	21.021 MB/s	22.508 MB/s	31.402 MB/s

Extended Results

Read Performance

2 MB	24.552 MB/s	20.198 MB/s	14.631 MB/s	28.162 MB/s	18.64 MB/s	31.194 MB/s
3 MB	31.312 MB/s	20.68 MB/s	20.341 MB/s	29.375 MB/s	20.425 MB/s	32.453 MB/s
4 MB	27.519 MB/s	22.422 MB/s	19.751 MB/s	29.166 MB/s	21.691 MB/s	33.512 MB/s
5 MB	31.08 MB/s	23.683 MB/s	20.180 MB/s	29.567 MB/s	23.502 MB/s	35.456 MB/s
6 MB	26.168 MB/s	23.688 MB/s	20.577 MB/s	29.098 MB/s	23.56 MB/s	34.265 MB/s
7 MB	32.348 MB/s	24.287 MB/s	20.996 MB/s	31.45 MB/s	23.947 MB/s	29.134 MB/s
8 MB	33.266 MB/s	24.085 MB/s	20.489 MB/s	29.101 MB/s	24.418 MB/s	35.786 MB/s
9 MB	29.587 MB/s	24.657 MB/s	20.731 MB/s	27.702 MB/s	24.253 MB/s	34.738 MB/s
10 MB	30.21 MB/s	25.135 MB/s	20.877 MB/s	28.428 MB/s	24.618 MB/s	35.555 MB/s
20 MB	34.987 MB/s	26.461 MB/s	20.866 MB/s	33.752 MB/s	24.985 MB/s	35.610 MB/s
30 MB	37.403 MB/s	26.167 MB/s	21.043 MB/s	32.404 MB/s	25.778 MB/s	31.787 MB/s
40 MB	34.583 MB/s	26.425 MB/s	21.156 MB/s	32.95 MB/s	25.83 MB/s	35.134 MB/s
50 MB	38.69 MB/s	26.464 MB/s	21.231 MB/s	33.046 MB/s	25.847 MB/s	35.406 MB/s
60 MB	37.275 MB/s	26.599 MB/s	21.176 MB/s	33.147 MB/s	25.949 MB/s	34.184 MB/s
70 MB	38.65 MB/s	26.586 MB/s	21.227 MB/s	33.342 MB/s	25.871 MB/s	33.965 MB/s
80 MB	36.102 MB/s	26.655 MB/s	21.201 MB/s	32.8 MB/s	25.883 MB/s	36.046 MB/s
90 MB	35.997 MB/s	26.75 MB/s	21.271 MB/s	33.611 MB/s	25.785 MB/s	35.946 MB/s
100 MB	38.137 MB/s	26.725 MB/s	21.188 MB/s	33.796 MB/s	25.788 MB/s	36.116 MB/s

Write Performance

2 MB	33.134 MB/s	28.959 MB/s	16.66 MB/s	32.191 MB/s	22.445 MB/s	38.231 MB/s
3 MB	33.215 MB/s	29.085 MB/s	18.432 MB/s	32.352 MB/s	22.631 MB/s	38.825 MB/s
4 MB	32.836 MB/s	29.373 MB/s	19.045 MB/s	32.31 MB/s	22.594 MB/s	36.109 MB/s
5 MB	33.348 MB/s	27.994 MB/s	18.887 MB/s	32.401 MB/s	21.488 MB/s	36.482 MB/s
6 MB	33.363 MB/s	28.163 MB/s	19.482 MB/s	32.2 MB/s	22.834 MB/s	37.428 MB/s
7 MB	33.353 MB/s	28.439 MB/s	19.783 MB/s	32.171 MB/s	22.54 MB/s	36.257 MB/s
8 MB	33.245 MB/s	27.563 MB/s	19.604 MB/s	32.23 MB/s	22.457 MB/s	36.747 MB/s
9 MB	33.324 MB/s	27.855 MB/s	19.913 MB/s	32.334 MB/s	22.641 MB/s	35.942 MB/s
10 MB	33.273 MB/s	28.053 MB/s	21.164 MB/s	32.381 MB/s	22.722 MB/s	36 MB/s
20 MB	33.452 MB/s	27.322 MB/s	20.495 MB/s	29.783 MB/s	22.462 MB/s	36.103 MB/s
30 MB	33.425 MB/s	27.288 MB/s	20.794 MB/s	26.966 MB/s	22.641 MB/s	34.502 MB/s
40 MB	33.343 MB/s	24.033 MB/s	20.009 MB/s	28.602 MB/s	22.574 MB/s	35.042 MB/s
50 MB	33.435 MB/s	27.168 MB/s	20.302 MB/s	28.380 MB/s	22.559 MB/s	35.59 MB/s
60 MB	33.474 MB/s	27.042 MB/s	18.954 MB/s	28.115 MB/s	22.592 MB/s	26.562 MB/s
70 MB	33.506 MB/s	26.054 MB/s	20.543 MB/s	27.413 MB/s	22.462 MB/s	34.801 MB/s
80 MB	31.817 MB/s	25.216 MB/s	21.137 MB/s	25.615 MB/s	22.549 MB/s	35.316 MB/s
90 MB	30.455 MB/s	27.043 MB/s	20.791 MB/s	27.093 MB/s	22.576 MB/s	35.313 MB/s
100 MB	33.538 MB/s	26.295 MB/s	21.149 MB/s	27.127 MB/s	22.533 MB/s	35.555 MB/s